



API Guide – Global Equity Valuations Database

Siblis Research Ltd

API Guide — Getting Started

This guide covers everything you need to start pulling data: how to authenticate, every endpoint you can call, and your plan's limits. Every example works either from the command line (curl) or by pasting a URL straight into a browser, so you can experiment without writing any code.

If anything here doesn't match what you're seeing in practice, email **support@siblisresearch.com** with the exact request you ran and we'll look into it.

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1. Base URL

All API calls go to:

```
https://siblisresearch.supabase.co/functions/v1/data-api/v1/
```

Replace the path after `/v1/` to hit different endpoints — for example `/v1/indices` or `/v1/NDX/cape`.

2. Authentication

Your API key was shared with you on subscription. It starts with `sib_` followed by 16 lowercase hex characters (20 characters total). Keep it secret — anyone with the key can use it against your daily quota.

You can pass the key in either of two ways:

2.1 HTTP header (recommended for scripts and production code)

```
x-api-key: sib_XXXXXXXXXXXXXXXXXX
```

2.2 Query parameter (handy for testing in a browser)

```
?api_key=sib_XXXXXXXXXXXXXXXXXX
```

The query-parameter method writes your key into browser history, server logs, and any URL that gets shared, so use the header method in production code. Both methods produce identical results.

3. Plan limits

Feature	Pro	Enterprise
Daily request limit per key	1,000	50,000
Historical data range	Full history	Full history
/stats endpoint	✓	✓
/download (bulk CSV)	—	✓
Tickers accessible	All	All
Ratios accessible	All	All

Each successful response includes the headers:

```
X-RateLimit-Limit: <your daily cap>
X-RateLimit-Remaining: <calls left today>
X-RateLimit-Reset: <ISO timestamp when the counter resets>
```

The counter resets at 00:00 UTC daily.

4. Endpoints

4.1. List available indices (tickers)

```
GET /v1/indices
```

Returns the full ticker universe with metadata. Use this to discover what's available before requesting ratios.

curl:

```
curl -H "x-api-key: $KEY" \
https://siblisresearch.supabase.co/functions/v1/data-api/v1/indices
```

Browser:

```
https://siblisresearch.supabase.co/functions/v1/data-api/v1/indices?api_key=YOUR_KEY
```

Response:

```
{
  "indices": [
    { "ticker": "DAX", "index_name": "DAX Index", "currency": "Local", "frequency": "daily" },
    { "ticker": "NDX", "index_name": "NASDAQ 100 Index ", "currency": "Local", "frequency": "daily" },
    { "ticker": "FTSE", "index_name": "FTSE 100 Index", "currency": "Local", "frequency": "daily" }
  ]
}
```

Frequency is either daily (one row per trading day) or monthly (one row per month-end).

4.2. Get a single ratio for a single ticker

```
GET /v1/<TICKER>/<ratio>
```

Where <ratio> is one of:

URL slug	What it returns
pe-trailing	Trailing-12-month P/E ratio
pe-forward	Forward 12-month P/E ratio
cape	Cyclically-adjusted P/E (Shiller P/E)
pb	Price-to-book ratio
dividend-yield	Trailing-12-month dividend yield (as a percentage)
ev-ebitda	Enterprise Value / EBITDA (monthly snapshot, not daily)

Please note that not all valuation ratios are available for every index. The easiest way to verify data availability for a specific index is to review the *Monthly Valuations Dashboard*.

Optional query parameters:

- from=YYYY-MM-DD — earliest date to include (inclusive). Default: first available.
- to=YYYY-MM-DD — latest date to include (inclusive). Default: most recent.

curl:

```
curl -H "x-api-key: $KEY" \
  "https://siblisresearch.supabase.co/functions/v1/data-api/v1/NDX/cape?from=2020-01-01&to=2024-12-31"
```

Browser:

```
https://siblisresearch.supabase.co/functions/v1/data-api/v1/NDX/cape?from=2020-01-01&to=2024-12-31&api_key=YOUR_KEY
```

Response: *(the values in this example are not actual historical values)*

```
{
  "ticker": "NDX",
  "index_name": "NASDAQ 100 INDEX",
  "currency": "USD",
  "frequency": "daily",
  "ratio": "cape",
  "data": [
    { "trading_day (EOD)": "2020-01-02", "value": 30.81 },
```

```
{ "trading_day (EOD)": "2020-01-03", "value": 30.63 }
]
```

The field name is `trading_day (EOD)` — it's the actual exchange trading day on which the ratio is calculated using end-of-day prices. For monthly-frequency indices, this is the month-end snapshot date. If a ratio is not provided for a ticker, value is null for that date.

4.3. Get statistical aggregates for a ratio

```
GET /v1/<TICKER>/<ratio>/stats
```

Returns the current reading plus historical aggregates: mean, median, standard deviation, min, max, and percentile breakpoints (10th, 25th, 75th, 90th), with a percentile-rank of the current value.

curl:

```
curl -H "x-api-key: $KEY" \
https://siblisresearch.supabase.co/functions/v1/data-api/v1/NDX/cape/stats
```

Response: *(the values in this example are not actual historical values)*

```
{
  "ticker": "NDX",
  "ratio": "cape",
  "current": {
    "value": 37.42,
    "trading_day (EOD)": "2025-12-31",
    "percentile_rank": 89.4
  },
  "history": {
    "from": "1999-12-31",
    "to": "2025-12-31",
    "observations": 6543,
    "mean": 24.83,
    "median": 24.12,
    "stddev": 6.71,
    "min": 13.32,
    "max": 44.20,
    "percentiles": { "p10": 17.40, "p25": 20.18, "p75": 28.95, "p90": 33.71 }
  }
}
```

A `percentile_rank` of 89.4 means today's value is higher than 89.4% of all historical observations.

4.4. Bulk CSV download (Enterprise Plan only)

```
GET /v1/<TICKER>/download
```

Returns a JSON envelope containing a signed URL that's valid for 60 minutes. Follow that URL to download the full CSV for that ticker (all ratios, all dates). The CSVs are regenerated nightly at 23:30 UTC.

Available on Enterprise plans only.

Two-step usage:

```
# Step 1: get the signed URL
curl -H "x-api-key: $KEY" \
  https://siblisresearch.supabase.co/functions/v1/data-api/v1/NDX/download

# Step 2: download the CSV
curl -o NDX.csv "<URL from step 1>"
```

Response (step 1):

```
{
  "ticker": "NDX",
  "url": "https://siblisresearch.supabase.co/storage/v1/object/sign/bulk-downloads/NDX.csv?token=...",
  "expires_at": "2026-06-11T13:30:00Z"
}
```

CSV columns: ticker, trading_day (EOD), frequency, pe_trailing, pe_forward, cape, pb, dividend_yield, ev_ebitda.

5. Code samples

5.1 Python

```
import requests

BASE = "https://siblisresearch.supabase.co/functions/v1/data-api/v1"
KEY = "sib_XXXXXXXXXXXXXXXXXX"

def fetch(ticker, ratio, from_=None, to=None):
    params = {}
    if from_: params["from"] = from_
    if to: params["to"] = to
    r = requests.get(f"{BASE}/{ticker}/{ratio}",
                    headers={"x-api-key": KEY},
                    params=params, timeout=30)
    r.raise_for_status()
    return r.json()["data"]

for row in fetch("NDX", "cape", from_="2020-01-01"):
    print(row["trading_day (EOD)", row["value"]])
```

5.2 JavaScript / TypeScript

```
const BASE = "https://siblisresearch.supabase.co/functions/v1/data-api/v1";
const KEY = "sib_XXXXXXXXXXXXXXXXXX";

async function fetchRatio(ticker, ratio, from, to) {
    const url = new URL(`${BASE}/${ticker}/${ratio}`);
    if (from) url.searchParams.set("from", from);
    if (to) url.searchParams.set("to", to);
    const res = await fetch(url, { headers: { "x-api-key": KEY } });
    if (!res.ok) throw new Error(`HTTP ${res.status}`);
    return (await res.json()).data;
}
```

5.3 Microsoft Excel — Power Query (Data → From Web)

Paste the URL with api_key as a query parameter:

```
https://siblisresearch.supabase.co/functions/v1/data-api/v1/NDX/cape?from=2020-01-01&api_key=sib_XXXXXXXXXXXXXXXXXX
```

Excel will parse the JSON automatically; expand the data list into rows.

5.4 Google Sheets

```
=IMPORTDATA("https://siblisresearch.supabase.co/functions/v1/data-api/v1/NDX/cape?api_key=sib_XXXXXXXXXXXXXXXXXX")
```

IMPORTDATA returns the raw JSON in a single cell; for a proper table, use Apps Script or the JSON-parsing add-on of your choice.

6. Errors

All errors return a JSON body with an error code and a human-readable message. Some common ones:

HTTP	error code	When it happens
400	unknown_ratio	The ratio in the URL isn't one of the six listed above.
401	unauthorized	Missing API key, or key isn't recognized.
403	plan_restriction	Your plan doesn't include this endpoint.
404	unknown_ticker	Ticker doesn't exist (call /v1/indices).
404	ratio_unavailable_for_ticker	The ratio isn't provided for that ticker.
429	rate_limit_exceeded	Daily call limit hit. Resets at 00:00 UTC.
500	server_error	Unexpected. Email support with the timestamp.

Example 429 response:

```
{
  "error": "rate_limit_exceeded",
  "message": "Daily call limit of 1000 reached.",
  "reset_at": "2026-06-12T00:00:00Z"
}
```

7. Data semantics worth knowing

End-of-day prices, end-of-month fundamentals. Trailing P/E, forward P/E, CAPE, P/B, and dividend yield are calculated daily for daily-frequency indices using the EOD index price and the most recent monthly fundamentals snapshot, which carries forward across every trading day until the next monthly snapshot lands.

EV/EBITDA is a monthly snapshot. Uploaded directly each month, not calculated daily. The same value carries across every trading day until the next month's snapshot.

Trading-day calendars vary by index. December 30 may be the last trading day in one index and December 31 in another — the API returns each ticker's actual last trading day for that month.

8. Support

- Technical questions about the API: support@siblisresearch.com

Welcome aboard, and happy querying!

Siblis Research Data team