

Datasheet for ABIN1169190
anti-DLK1 antibody (Extracellular Domain)[Go to Product page](#)

1 Image

1 Publication

Overview

| | |
|----------------------|------------------------------|
| Quantity: | 100 µg |
| Target: | DLK1 |
| Binding Specificity: | Extracellular Domain |
| Reactivity: | Mouse |
| Host: | Rat |
| Clonality: | Monoclonal |
| Application: | Western Blotting (WB), ELISA |

Product Details

| | |
|-----------------------------|--|
| Immunogen: | Recombinant mouse DLK1 (extracellular domain). |
| Clone: | PF105B |
| Isotype: | IgG2a |
| Specificity: | Recognizes mouse DLK1. |
| Cross-Reactivity: | Mouse (Murine) |
| No Cross-Reactivity: | Human |
| Cross-Reactivity (Details): | Does not cross-react with human DLK1. |
| Sterility: | 0.2 µm filtered |

Target Details

| | |
|---------|------|
| Target: | DLK1 |
|---------|------|

Target Details

Alternative Name: DLK1 ([DLK1 Products](#))

Background: The transmembrane and secreted protein delta-like 1 homolog (DLK1, Protein delta homolog 1, Preadipocyte factor 1, Pref-1) belongs to the EGF-like family. It can be cleaved by a tumor necrosis factor-alpha converting enzyme (TACE) to release a soluble form. DLK1 plays important roles in regulating cell differentiation such as adipogenesis and osteogenesis. Membrane-bound DLK1 promotes hypertrophic myotube formation, whereas soluble DLK1 inhibits myotube formation. The soluble form of DLK1 inhibits preadipocyte differentiation, while membrane DLK1 represses preadipocyte proliferation. DLK1 is also associated with tumor invasion.

UniProt: [Q09163](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: 0.2µm-filtered solution in PBS, pH 7.4. Contains no preservatives.

Preservative: Without preservative

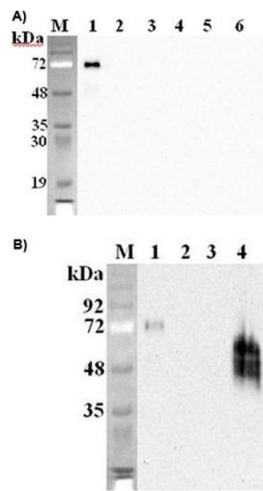
Storage: 4 °C, -20 °C

Storage Comment: Short Term Storage: +4°C
Long Term Storage: -20°C
Stable for at least 1 year after receipt when stored at -20°C.

Expiry Date: 12 months

Publications

Product cited in: Sobolik-Delmaire, Reddy, Pashaj, Roberts, Wahl: "Plakophilin-1 localizes to the nucleus and interacts with single-stranded DNA." in: **The Journal of investigative dermatology**, Vol. 130, Issue 11, pp. 2638-46, (2010) ([PubMed](#)).



Western Blotting

Image 1. Western blot analysis using anti-DLK1 (mouse), mAb (PF105B) at 1:2'000 dilution. A) 1: Mouse DLK1 Fc-protein. 2: Human DLK1 Fc-protein. 3: Mouse DLL1 Fc-protein. 4: Mouse DLL4 Fc protein. 5: Mouse Jagged-1 Fc-protein. 6: Unrelated Fc-protein (negative control). B) 1: Mouse DLK1 Fc-protein. 2: Mouse DLL1 Fc-protein. 3: Human DLK1 (ED) (FLAG ® -tagged). 4: 3T3L1 cell lysate.