

Datasheet for ABIN1169188
anti-DLK1 antibody (Extracellular Domain)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	DLK1
Binding Specificity:	Extracellular Domain
Reactivity:	Human
Host:	Rat
Clonality:	Polyclonal
Conjugate:	This DLK1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Immunogen:	Recombinant human DLK1 (extracellular domain).
Specificity:	Recognizes human DLK1. Detects a band of ~42 kDa by Western blot.
Cross-Reactivity:	Human
Sterility:	0.2 µm filtered

Target Details

Target:	DLK1
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

Target Details

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: [P80370](#)

Application Details

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

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

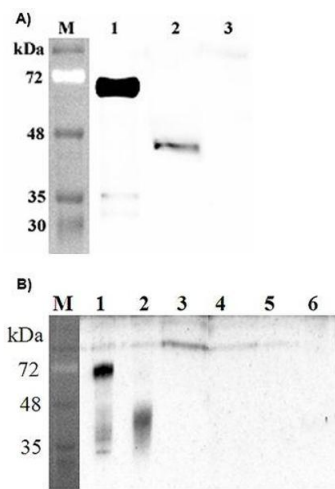
Buffer: 0.2µm-filtered solution in PBS, pH 7.4. Contains no preservatives.

Preservative: Without preservative

Storage: 4 °C, -20 °C

Storage Comment: Short Term Storage: +4°C
Long Term Storage: -20°C
Stable for at least 6 months after receipt when stored at -20°C.

Expiry Date: 6 months



Western Blotting

Image 1. Western blot analysis of human DLK1 using anti-DLK1 (human), pAb at 1: 2,000 dilution. A. 1. Human DLK1 (Fc protein). 2. Transfected human DLK1 full length cell lysate (HEK 293). 3. Mock Transfected HEK293 cell lysate. B. 1. Human DLK-1 (Fc protein), 200ng. 2. Human DLK-1(ecd) (FLAG-tagged), 200ng. 3. Human DLL1(ecd) (FLAG-tagged), 200ng. 4. Mouse Vaspine (Fc protein) (control), 200ng. 5. Human Klotho (Fc protein) (control), 200ng. 6. Human Jagged1 (Fc protein) (control), 200ng.

Flow Cytometry

Image 2. FACS: DLK1 transfected HEK 293 cells were stained significantly using anti-DLK1 (human), pAb .

