Datasheet for ABIN1169019

anti-FLIP antibody (AA 1-480)

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Overview

Quantity:	100 µg
Target:	FLIP (CFLAR)
Binding Specificity:	AA 1-480
Reactivity:	Human, Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This FLIP antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP)

Product Details

Immunogen:	Recombinant human FLIP (aa 1-480).
Clone:	Dave-2
Isotype:	IgG2a
Specificity:	Recognizes an epitope (aa 1-200) present in both short (FLIPS) and long (FLIPL) splice variants of human and mouse FLIP.
Cross-Reactivity:	Human, Mouse (Murine)

Target Details

Target:	FLIP (CFLAR)
Alternative Name:	FLIP (CFLAR Products)

Target Details

Background:	FLIP is an apoptosis regulator protein which functions as a crucial link between cell survival and cell death pathways in mammalian cells and acts as an inhibitor of TNFRSF6 mediated apoptosis. A proteolytic fragment (p43) is likely retained in the death-inducing signaling complex (DISC) thereby blocking further recruitment and processing of caspase-8 at the complex. Full length and shorter isoforms have been shown either to induce apoptosis or to reduce TNFRSF-triggered apoptosis. FLIP lacks enzymatic (caspase) activity. FLIP is highly expressed in skeletal muscle, pancreas, heart, kidney, placenta and peripheral blood leukocytes.
UniProt:	O15519
Pathways:	Apoptosis, Regulation of Muscle Cell Differentiation, Skeletal Muscle Fiber Development

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:	In PBS containing 10 % glycerol and 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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:	Van Opdenbosch, Van Gorp, Verdonckt, Saavedra, de Vasconcelos, Gonçalves, Vande Walle, Demon, Matusiak, Van Hauwermeiren, DHont, Hochepied, Krautwald, Kanneganti, Lamkanfi: " Caspase-1 Engagement and TLR-Induced c-FLIP Expression Suppress ASC/Caspase-8-

Publications

Dependent Apoptosis by Inflammasome Sensors NLRP1b and NLRC4." in: **Cell reports**, Vol. 21, Issue 12, pp. 3427-3444, (2018) (PubMed).

Dannappel, Vlantis, Kumari, Polykratis, Kim, Wachsmuth, Eftychi, Lin, Corona, Hermance, Zelic, Kirsch, Basic, Bleich, Kelliher, Pasparakis: "RIPK1 maintains epithelial homeostasis by inhibiting apoptosis and necroptosis." in: **Nature**, Vol. 513, Issue 7516, pp. 90-4, (2014) (PubMed).

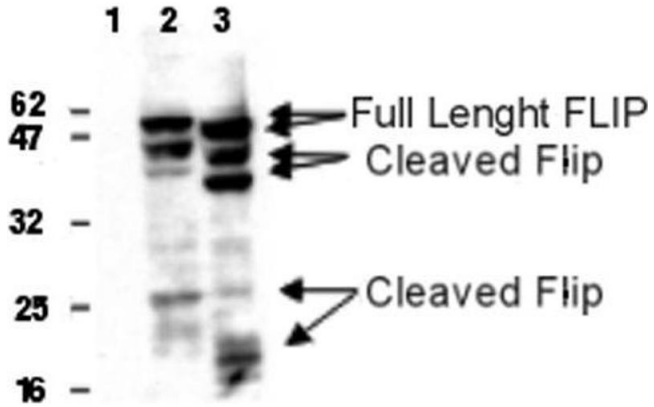
Lens, Kataoka, Fortner, Tinel, Ferrero, MacDonald, Hahne, Beermann, Attinger, Orbea, Budd, Tschopp: "The caspase 8 inhibitor c-FLIP(L) modulates T-cell receptor-induced proliferation but not activation-induced cell death of lymphocytes." in: **Molecular and cellular biology**, Vol. 22, Issue 15, pp. 5419-33, (2002) (PubMed).

Gómez-Angelats, Cidlowski: "Protein kinase C regulates FADD recruitment and death-inducing signaling complex formation in Fas/CD95-induced apoptosis." in: **The Journal of biological chemistry**, Vol. 276, Issue 48, pp. 44944-52, (2001) (PubMed).

Micheau, Lens, Gaide, Alevizopoulos, Tschopp: "NF-kappaB signals induce the expression of c-FLIP." in: **Molecular and cellular biology**, Vol. 21, Issue 16, pp. 5299-305, (2001) (PubMed).

There are more publications referencing this product on: Product page

Images



Western Blotting

Image 1. Detection of human and mouse FLIP in 293T cells transfected with a human (lane 2) or mouse FLIP L (lane 3) expression plasmid using anti-FLIP, mAb (Dave-2) . Untransfected cells (lane 1). Top arrows indicate full length FLIP, lower arrows indicate cleaved FLIP products. Method: Cell extracts from cells (5x10 4) transfected with human or mouse FLIP expression plasmid were resolved by SDS-PAGE under reducing conditions, transferred to nitrocellulose and incubated with anti-FLIP, mAb (Dave-2) at 1µg/ml. Proteins were visualized using a peroxidase-conjugated antibody to rat IgG and a chemiluminescence

detection system.

