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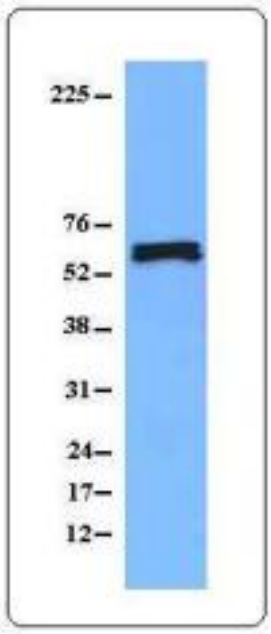
Product Data Sheet

Purified anti-Caspase-10

Catalog # / Size: 645202 / 100 µg
Clone: 25C2
Isotype: Rat IgG2a
Immunogen: His tagged bacterial fusion protein of caspase-10 p20
Reactivity: Human, **Cross-Reactivity:** Mouse
Preparation: The antibody was purified by affinity chromatography.
Formulation: This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Concentration: 0.5 mg/ml
Storage: Upon receipt, store at 4°C.



Jurkat cell extract was resolved by electrophoresis, transferred to nitrocellulose and probed with mAb anti-capsase 10 (clone 25C2) antibody. Proteins were visualized using a goat anti-rat secondary antibody conjugated to HRP and a chemiluminescence system.

Applications:

Applications: WB - *Quality tested*
Recommended Usage: Each lot of this antibody is quality control tested by Western blotting. Western blotting, suggested working dilution(s): Use 1-2 µg antibody per ml antibody dilution buffer for each mini-gel. It is recommended that the reagent be titrated for optimal performance for each application.

Description: There are two types of apoptotic caspases, initiator (apical) caspases and effector (executioner) caspases. Caspase 10 is one of the initiator caspases that cleave inactive pro-forms of effector caspases, thereby activating them. Four isoforms, namely Caspase-10a,-10 b,-10c,and -10d have been identified. They derived from a single chain polypeptide proenzyme but have different mature large and small subunits by cleavage. After the death ligand-receptor binding, caspade-10 has joined the multimeric Fas/TNF receptor complex and gets cleaved. The cleaved caspase-10 further acts on other effector caspases to initiate the caspase cascade.

Antigen References:
1. Cohen GM *et al.* 1997. *Biochem J* 326:1
2. Ng PWP *et al.* 1999. *J. Biol. Chem.* 15:10301

Related Products:

Product	Clone	Application
Cell Staining Buffer		FC, ICC, ICFC
RBC Lysis Buffer (10X)		FC, ICFC

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