

Product datasheet for **TA305949**

Caspase 10 (CASP10) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	WB: 1 ug/mL
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Caspase-10 antibody was raised against a 17 amino acid peptide near the carboxy terminus of human Caspase-10. The immunogen is located within amino acids 240 - 290 of Caspase-10.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Antibody is DEAE purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	caspase 10
Database Link:	AAD28402 Entrez Gene 843 Human Q92851



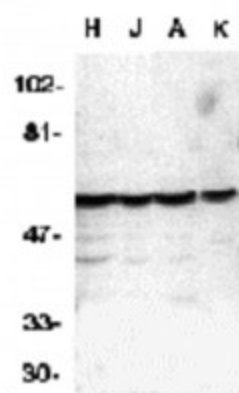
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Background:

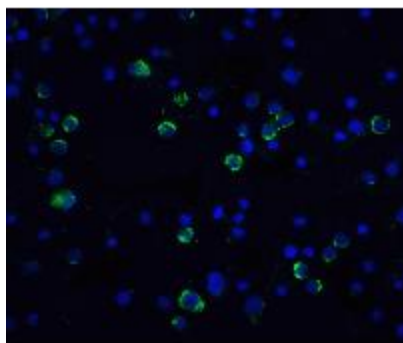
Apoptosis is related to many diseases and induced by a family of cell death receptors and their ligands. Cell death signals are transduced by death domain (DD)- containing adapter molecules and members of the ICE/CED-3 protease family. A novel ICE/CED-3 protease was identified recently, designated FLICE2 and Mch41,2 and renamed as caspase-10. Caspase-10 has two death effector domains (DEDs) that bind to the DED in the adapter molecule FADD and recruits both TNFR1 and CD95 to form complexes with these receptors. Caspase-10 is therefore involved in the CD95 and TNFR1 induced apoptosis¹. Caspase-10 cleaves and activates caspase-3, -4, -6, -7, -8 and -9, which causes the proteolytic cleavage of many key proteins such as PARP. Cleavage of PARP occurs in many different systems during apoptosis and is the hallmark of programmed cell death. Caspase-10 is expressed in many tissues and cell lines.

Synonyms:

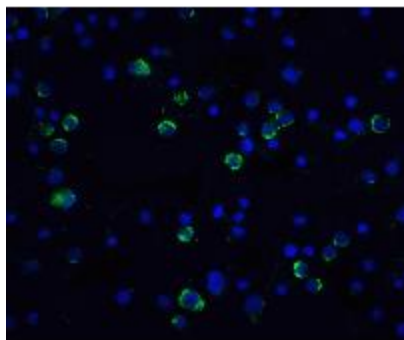
ALPS2; FLICE2; MCH4

Product images:


Western blot analysis of caspase-10 in HeLa (H), Jurkat (J), A431 (A), K562 (K) whole cell lysates with Caspase-10 antibody at 1ug/ml.



Immunocytochemistry of Casp10 in HeLa cells with Caspase 10 antibody at 5ug/ml.



Immunofluorescence of Casp10 in HeLa cells with Caspase 10 antibody at 20ug/ml.