ELK Biotechnology

Caspase-9 (phospho Thr125) rabbit pAb

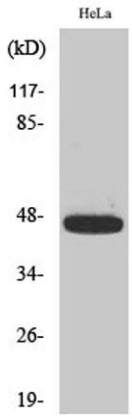
Cat No.:ES1469

For research use only

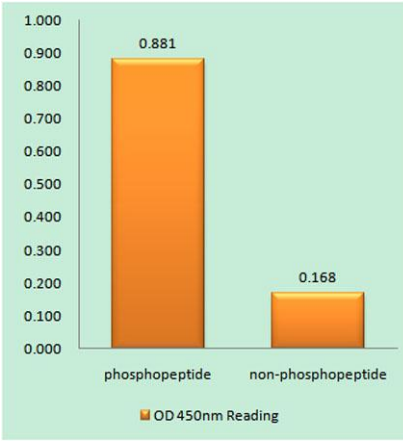
Overview

Product Name	Caspase-9 (phospho Thr125) rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human Caspase 9 around the phosphorylation site of Thr125. AA range:91-140
Specificity	Phospho-Caspase-9 (T125) Polyclonal Antibody detects endogenous levels of Caspase-9 protein only when phosphorylated at T125.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Caspase9
Gene Name	CASP9
Cellular localization	nucleus,mitochondrion,cytosol,apoptosome,
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	46kD
Human Gene ID	842
Human Swiss-Prot Number	P55211
Alternative Names	CASP9; MCH6; Caspase-9; CASP-9; Apoptotic protease Mch-6; Apoptotic protease-activating factor 3; APAF-3; ICE-like apoptotic protease 6; ICE-LAP6
Background	CASP9 encodes a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation

of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes which undergo proteolytic processing at conserved aspartic residues to produce two subunits, large and small, that dimerize to form the active enzyme. Caspase 9 can undergo autoproteolytic processing and activation by the apoptosome, a protein complex of cytochrome c and the apoptotic peptidase activating factor 1; this step is thought to be one of the earliest in the caspase activation cascade. Caspase 9 is thought to play a central role in apoptosis and to be a tumor suppressor. Alternative splicing results in multiple transcript variants.



Western Blot analysis of various cells using Phospho-Caspase-9 (T125) Polyclonal Antibody diluted at 1:500



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using Caspase 9 (Phospho-Thr125) Antibody

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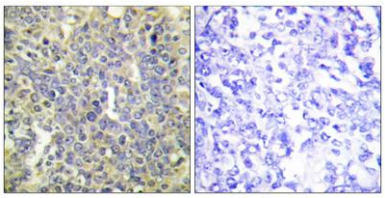
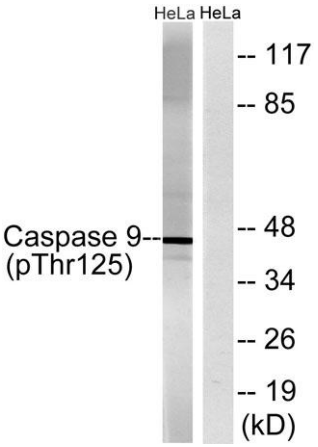


Immunohistochemistry analysis of paraffin-embedded human lung carcinoma, using Caspase 9 (Phospho-Thr125) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from HeLa cells treated with TNF 20ng/ml 5'+calyculinA 50ng/ml 5', using Caspase 9 (Phospho-Thr125) Antibody. The lane on the right is blocked with the phospho peptide.

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