Caspase 9 (Phospho-Thr125) Antibody

Catalog No: #11649

Package Size: #11649-1 50ul #11649-2 100ul

Overview

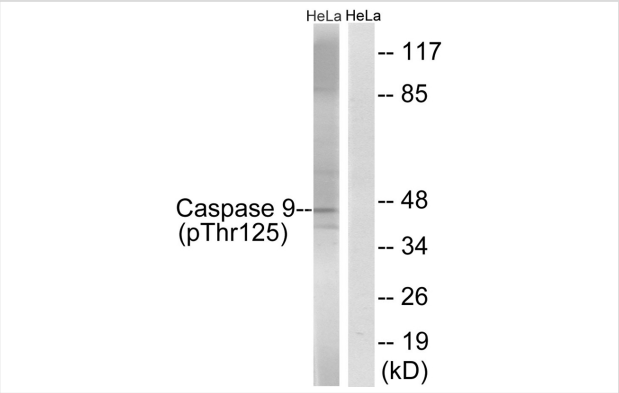
Product Name	Caspase 9 (Phospho-Thr125) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	WB IHC
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide-KLH
Target Name	Caspase 9
Modification	Phospho-Thr125
Alternative Names	APAF-3; MCH6; RNCASP9; CASP-9; ICE-LAP6

Application Details

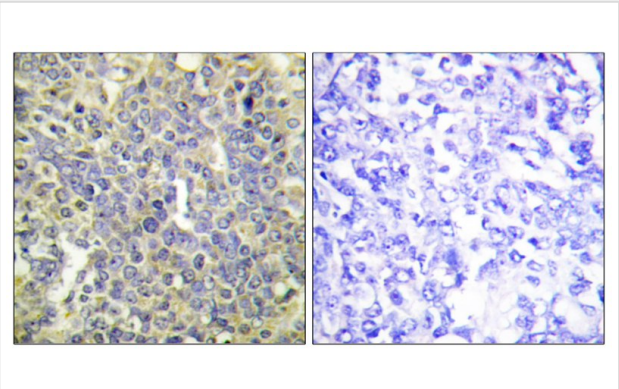
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from HeLa cells treated with TNF using Caspase 9 (Phospho-Thr125) Antibody #11649.The lane on the right is treated with the antigen-specific peptide.



Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using Caspase 9 (Phospho-Thr125) antibody #11649 (left)or the same antibody preincubated with blocking peptide (right).

Descriptions

Immunogen	Peptide sequence around phosphorylation site of threonine 125 (P-E-T(p)-P-R) derived from Human Caspase 9.
Specificity	The antiserum was produced against synthesized phosphopeptide derived from human Caspase 9 around the phosphorylation site of threonine 125 (P-E-TP-P-R).
Purifiction	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year
Predicted MW	47kd
Accession NO.	Swiss-Prot#: P55211; NCBI Gene#: 842; NCBI Protein#: NP_001220.2.

Related Information

Involved in the activation cascade of caspases responsible for apoptosis execution. Binding of caspase-9 to Apaf-1 leads to activation of the protease which then cleaves and activates caspase-3. Proteolytically cleaves poly(ADP-ribose) polymerase (PARP). Isoform 2 lacks activity is an dominant-negative inhibitor of caspase-9.

Duan H., J. Biol. Chem. 271:16720-16724(1996).
Srinivasula S.M., J. Biol. Chem. 271:27099-27106(1996).
Hadano S., Mamm. Genome 10:757-760(1999)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.