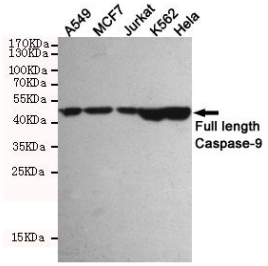
Caspase9

Mouse monoclonal Antibody

#53605

Catalog Number: 53605
Amount: 100μg/100μl
Swiss-Prot No. :P55211
Gene name:casp9
Gene id:842
Clone Number： 1D1-F2-E9
Form of Antibody: Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50%,glycerol
Storage/Stability: Store at -20℃/1 year
Immunogen: Purified recombinant human Caspase9 protein fragments expressed in E.coli
Purification: affinity-chromatography
Specificity/Sensitivity: This antibody detects endogenous levels of Caspase9 and does not corss-react with related proteins
Reactivity: Human,Transfected
Applications: Predicted MW: 49 37kd WB: 1:1000



Western blot detection of Caspase-9 in A549,MCF7,Jurkat,K562 and Hela cell lysates using Caspase-9 mouse mAb (1:1000 diluted).Predicted band size:49/37KDa.Observed band size:49KDa.

Background:.

This gene 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. This protein 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. This protein is thought to play a central role in apoptosis and to be a tumor suppressor. Alternative splicing results in multiple transcript variants. Isoform 2 lacks activity is an dominant-negative inhibitor of caspase-9.