



CASP7 Polyclonal Antibody

Catalog No	E91524	Lot Number	P00009
Applications	WB IHC	Quantity	100ul, 100ug/ul
Cross-Reactivity	H M R	Calculated MW	151kDa

Immunogen Information

Immunogen	Recombinant protein of human CASP7
Gene ID	840
Swiss Prot	P55210
Synonyms	CMH-1; ICE-LAP3; MCH3; CASP7; Caspase-7;

Product information

Species	Rabbit
Isotype	IgG
Purity	Affinity purification
Storage	Store at -20°C or -80°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Background

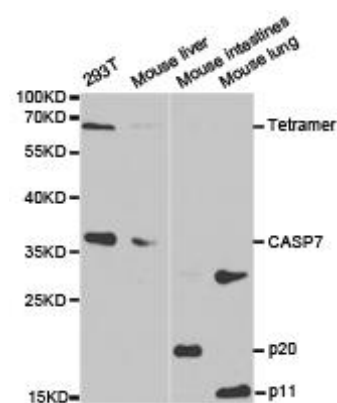
Caspase-7 (CMH-1, Mch3, ICE-LAP3) has been identified as a major contributor to the execution of apoptosis (1-4). Caspase-7, like caspase-3, is an effector caspase that is responsible for cleaving downstream substrates such as (ADP-ribose) polymerase and PARP (1,3). During apoptosis, caspase-7 is activated through proteolytic processing by upstream caspases at Asp23, Asp198, and Asp206 to produce the mature subunits (1,3). Similar to caspases-2 and -3, caspase-7 preferentially cleaves substrates following the recognition sequence DEVD (5).

References

1. Fernandes-Alnemri, T. et al. (1995) Cancer Res. 55, 6045-6052.
2. Duan, H. et al. (1996) J. Biol. Chem. 271, 1621-1625.
3. Lippke, J. A. et al. (1996) J. Biol. Chem. 271, 1825-1828.
4. Cohen, G.M. (1997) Biochem. J. 326, 1-16.
5. Thornberry, N. A. et al. (1997) J. Biol. Chem. 272, 17907-17911.

Recommended Dilutions

WB	1:500 - 1:2000
IHC	1:50- 1:200



Western blot analysis of extracts of various cell lines, using Caspase7 antibody.