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#8592

Cleaved Caspase-8 (Asp387) (D5B2) XP[®] Rabbit mAb

For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: W, IP, IF-IC, FC-FP	Reactivity: M	Sensitivity: Endogenous	MW (kDa): 18, 43	Source/Isotype: Rabbit IgG	UniProt ID: #O89110	Entrez-Gene Id: 12370
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Product Usage Information

Application

Western Blotting
Immunoprecipitation
Immunofluorescence (Immunocytochemistry)
Flow Cytometry (Fixed/Permeabilized)

Dilution

1:1000
1:100
1:400 - 1:1600
1:400 - 1:1600

Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.

For a carrier free (BSA and azide free) version of this product see product #97756.

Specificity/Sensitivity

Cleaved Caspase-8 (Asp387) (D5B2) XP[®] Rabbit mAb recognizes endogenous levels of mouse caspase-8 only when cleaved at Asp387. In addition to the p18 subunit, this antibody also detects cleavage products containing the pro-domain with the p18 subunit (p43).

Source / Purification

Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Asp387 of mouse caspase-8 protein.

Background

Apoptosis induced through the CD95 receptor (Fas/APO-1) and tumor necrosis factor receptor 1 (TNFR1) activates caspase-8 and leads to the release of the caspase-8 active fragments, p18 and p10 (1-3). Activated caspase-8 cleaves and activates downstream effector caspases such as caspase-1, -3, -6, and -7. Caspase-3 ultimately elicits the morphological hallmarks of apoptosis, including DNA fragmentation and cell shrinkage.

Background References

1. Muzio, M. et al. (1996) *Cell* 85, 817-27.
2. Boldin, M.P. et al. (1996) *Cell* 85, 803-15.
3. Fernandes-Alnemri, T. et al. (1996) *Proc Natl Acad Sci U S A* 93, 7464-9.

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween@ 20 at 4°C with gentle shaking, overnight.

Applications Key

W: Western Blotting **IP:** Immunoprecipitation **IF-IC:** Immunofluorescence (Immunocytochemistry) **FC-FP:** Flow Cytometry (Fixed/Permeabilized)

Cross-Reactivity Key

M: Mouse

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