Caspase-8 (D35G2) Rabbit mAb

**Background:** Apoptosis induced through 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.

**Specificity/Sensitivity:** Caspase-8 (D35G2) Rabbit mAb detects endogenous levels of total caspase-8, including the p10 subunit of the activated protein. Caspase-8 (D35G2) Rabbit mAb may also cross-react with overexpressed levels of caspase-10.

**Source/Purification:** Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxyl terminus of human caspase-8 protein.

**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.

*Species cross-reactivity is determined by western blot.

**Anti-rabbit secondary antibodies must be used to detect this antibody.

**Recommended Antibody Dilutions:**

Western blotting 1:1000

For application specific protocols please see the web page for this product at www.cellsignal.com.

Please visit www.cellsignal.com for a complete listing of recommended companion products.

**Applications**

<table>
<thead>
<tr>
<th>Species Cross-Reactivity</th>
<th>Molecular Wt.</th>
<th>Isotype</th>
</tr>
</thead>
<tbody>
<tr>
<td>H, M, R, (Pg) 10, 57 kDa Rabbit IgG**</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

**Applications Key:** W—Western  IP—Immunoprecipitation  IHC—Immunohistochemistry  CIP—Chromatin Immunoprecipitation  IF—Immunofluorescence  F—Flow cytometry  E—ELISA  P—ELISA-Peptide

**Species Cross-Reactivity Key:** H—human  M—mouse  R—rat  Hm—hamster  Mk—monkey  Mi—mink  C—chicken  Dm—D. melanogaster  X—Xenopus  Z—zebrafish  B—bovine  Pg—pig  Sc—S. cerevisiae  Ce—C. elegans  Hr—horse  All—all species expected

**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.

*Species cross-reactivity is determined by western blot.

Anti-rabbit secondary antibodies must be used to detect this antibody.

**Recommended Antibody Dilutions:**

Western blotting 1:1000

For application specific protocols please see the web page for this product at www.cellsignal.com.

Please visit www.cellsignal.com for a complete listing of recommended companion products.