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# Product datasheet for TA306067

## Diablo Rabbit Polyclonal Antibody

### Product data:

| | |
|---|---|
| **Product Type:** | Primary Antibodies |
| **Applications:** | ELISA, IF, IHC, IP, WB |
| **Recommended Dilution:** | WB: 1 µg/mL; IF: 10 µg/mL; IHC: 2 µg/mL.<br>Antibody validated: Western Blot in mouse and rat samples; Immunofluorescence and Immunohistochemistry in mouse samples. All other applications and species not yet tested. |
| **Reactivity:** | Human, Mouse, Rat |
| **Host:** | Rabbit |
| **Isotype:** | IgG |
| **Clonality:** | Polyclonal |
| **Immunogen:** | Smac antibody was raised against a peptide corresponding to amino acids 222 to 237 of murine Smac/DIABLO. |
| **Formulation:** | PBS containing 0.02% sodium azide. |
| **Concentration:** | 1ug/ul |
| **Purification:** | Smac Antibody is DEAE purified. |
| **Conjugation:** | Unconjugated |
| **Storage:** | Store at -20°C as received. |
| **Stability:** | Stable for 12 months from date of receipt. |
| **Gene Name:** | diablo, IAP-binding mitochondrial protein |
| **Database Link:** | AF203914<br>Entrez Gene 66593 Mouse<br>Q9JIQ3 |

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**Background:** The inhibitor of apoptosis proteins (IAPs) regulate programmed cell death by inhibiting members of the caspase family of enzymes. A novel mammalian protein that binds to IAPs and neutralizes the inhibitory effect of IAPs on caspases was recently identified and designated Smac/DIABLO (1,2). Smac/DIABLO is a mitochondrial protein that is released along with cytochrome c during apoptosis and activates cytochrome c/Apaf-1/capase-9 pathway. Analysis of the structural basis of Smac/DIABLO reveals that the N-terminal amino acids are required for binding of Smac/DIABLO to IAPs and activation of caspases (3-6). Smac/DIABLO is expressed in a variety of human and mouse tissues (1,2).

**Synonyms:** DFNA64; SMAC