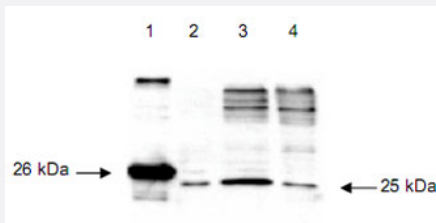


DIABLO polyclonal antibody

Catalog # PAB11261 Size 100 uL

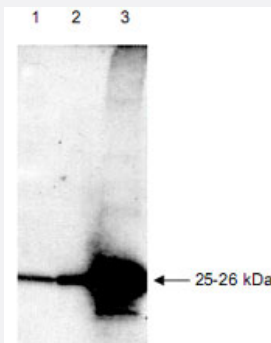
Applications

Western Blot (Cell lysate)



Immunoblot using DIABLO polyclonal antibody (Cat # PAB11261) detects a 26 kDa band when 1 ug of recombinant DIABLO is applied (lane 1). Lane 2 shows DIABLO detection when 30 ug of 1% NP-40 treated cell lysate from HeLa cells is applied. Lanes 3 & 4 show 30 ug each of cytosolic fractions from HeLa cell lysates both with (lane 3) and without (lane 4) treatment with 30 microM etoposide. Recombinant DIABLO migrates slower than the native form because of the His6-tag. The blot was incubated overnight with a 1:1000 dilution of DIABLO polyclonal antibody.

Western Blot (Recombinant protein)



DIABLO polyclonal antibody (Cat # PAB11261) is shown to detect a 25-26 kDa band in partially purified recombinant human DIABLO protein by immunoblot. Lanes 1-3 are loaded with 1, 10 and 100 ng of protein per lane, respectively. The blot was incubated overnight with a 1 : 1000 dilution of DIABLO polyclonal antibody in TBST. Detection occurs using a 1 : 1000 dilution of HRP Goat-a-Rabbit with visualization via ECL. Film exposure approximately 1'.

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant DIABLO.
Immunogen	Recombinant His fusion protein corresponding to amino acids 56-239 of human DIABLO.
Host	Rabbit

Reactivity	Human
Form	Liquid
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Recommend Usage	Western Blot (1:1000-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 20 mM KH ₂ PO ₄ , 150 mM NaCl, pH 7.2 (0.01% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Immunoblot using DIABLO polyclonal antibody (Cat # PAB11261) detects a 26 kDa band when 1 ug of recombinant DIABLO is applied (lane 1).

Lane 2 shows DIABLO detection when 30 ug of 1% NP-40 treated cell lysate from HeLa cells is applied.

Lanes 3 & 4 show 30 ug each of cytosolic fractions from HeLa cell lysates both with (lane 3) and without (lane 4) treatment with 30 micro;M etoposide.

Recombinant DIABLO migrates slower than the native form because of the His6-tag.

The blot was incubated overnight with a 1:1000 dilution of DIABLO polyclonal antibody.

- Western Blot (Recombinant protein)

DIABLO polyclonal antibody (Cat # PAB11261) is shown to detect a 25-26 kDa band in partially purified recombinant human DIABLO protein by immunoblot.

Lanes 1-3 are loaded with 1, 10 and 100 ng of protein per lane, respectively.

The blot was incubated overnight with a 1 : 1000 dilution of DIABLO polyclonal antibody in TBST.

Detection occurs using a 1 : 1000 dilution of HRP Goat-a-Rabbit with visualization via ECL.

Film exposure approximately 1'.

- Immunoprecipitation

- Enzyme-linked Immunoabsorbent Assay

Gene Info — DIABLO

Entrez GeneID

[56616](#)

Gene Name	DIABLO
Gene Alias	DIABLO-S, FLJ10537, FLJ25049, SMAC, SMAC3
Gene Description	diablo homolog (Drosophila)
Omim ID	605219
Gene Ontology	Hyperlink
Gene Summary	This gene encodes an inhibitor of apoptosis protein (IAP)-binding protein. The encoded mitochondrial protein enters the cytosol when cells undergo apoptosis, and it moderates the caspase inhibition of IAPs. Multiple polyadenylation sites have been found for this gene. Four alternatively spliced transcript variants have been described for this gene, with two of them encoding different isoforms and the other two probably not encoding a protein. [provided by RefSeq]
Other Designations	0610041G12Rik diablo direct IAP-binding protein with low pI mitochondrial Smac protein second mitochondria-derived activator of caspase

Publication Reference

- [Structural basis of IAP recognition by Smac/DIABLO.](#)
Wu G, Chai J, Suber TL, Wu JW, Du C, Wang X, Shi Y.
Nature 2000 Dec; 408(6815):1008.
- [Molecular determinants of the caspase-promoting activity of Smac/DIABLO and its role in the death receptor pathway.](#)
Srinivasula SM, Datta P, Fan XJ, Fernandes-Alnemri T, Huang Z, Alnemri ES.
The Journal of Biological Chemistry 2000 Nov; 275(46):36152.
- [Smac, a mitochondrial protein that promotes cytochrome c-dependent caspase activation by eliminating IAP inhibition.](#)
Du C, Fang M, Li Y, Li L, Wang X.
Cell 2000 Jul; 102(1):33.

Application: IF, WB-Ce, Human, HeLa cells

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)

- [Edema](#)