

XIAP Rabbit pAb

CatalogNo: YT4913

Orthogonal Validated 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, IHC, IF, ELISA

MW

- 57kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-1:2000

IHC 1:100-1:300

ELISA 1:20000

IF 1:50-200

Storage

Storage*

-15°C to -25°C/1 year (Do not lower than -25°C)

Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality

Polyclonal

Immunogen Information

Immunogen

The antiserum was produced against synthesized peptide derived from human XIAP. AA range: 53-102

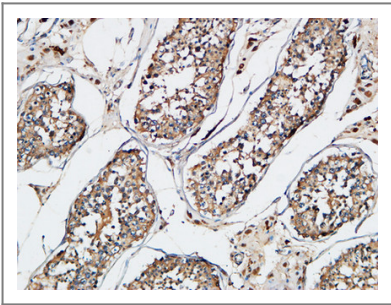
Specificity

XIAP Polyclonal Antibody detects endogenous levels of XIAP protein.

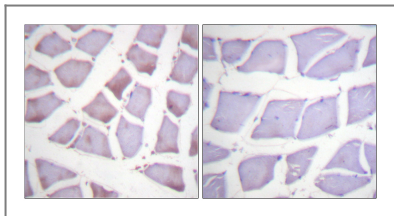
Target Information

Gene name	XIAP		
Protein Name	E3 ubiquitin-protein ligase XIAP		
	Organism	Gene ID	UniProt ID
	Human	331 ;	P98170 ;
	Mouse	11798 ;	Q60989 ;
	Rat	63879 ;	Q9R0I6 ;
Cellular Localization	Cytoplasm. Nucleus. TLE3 promotes its nuclear localization.		
Tissue specificity	Expressed in colonic crypts (at protein level) (PubMed:30389919). Ubiquitous, except peripheral blood leukocytes (PubMed:8654366).		
Function	<p>Disease:Defects in XIAP are the cause of lymphoproliferative syndrome X-linked type 2 (XLP2) [MIM:300635]. XLP is a rare immunodeficiency characterized by extreme susceptibility to infection with Epstein-Barr virus (EBV). Symptoms include severe or fatal mononucleosis, acquired hypogammaglobulinemia, pancytopenia and malignant lymphoma.,Domain:The first BIR domain is involved in interaction with MAP3K7IP1 and is important for dimerization. The second BIR domain is sufficient to inhibit caspase-3 and caspase-7, while the third BIR is involved in caspase-9 inhibition. The interactions with SMAC and PRSS25 are mediated by the second and third BIR domains.,Function:Apoptotic suppressor. Has E3 ubiquitin-protein ligase activity. Mediates the proteasomal degradation of target proteins, such as caspase-3, SMAC or AIFM1. Inhibitor of caspase-3, -7 and -9. Mediates activation of MAP3K7/TAK1, leading to the activation of NF-kappa-B.,online information:XIAP mutation db,PTM:Phosphorylation by PKB/AKT protects XIAP against ubiquitination and protects the protein against proteasomal degradation.,PTM:Ubiquitinated and degraded by the proteasome in apoptotic cells.,similarity:Belongs to the IAP family.,similarity:Contains 1 RING-type zinc finger.,similarity:Contains 3 BIR repeats.,subunit:Monomer, and homodimer. Interacts with SMAC and with PRSS25; these interactions inhibit apoptotic suppressor activity. Interacts with MAP3K7IP1 and AIFM1. Interaction with SMAC hinders binding of MAP3K7IP1 and AIFM1. Interacts with TCF25.,tissue specificity:Ubiquitous, except peripheral blood leukocytes.,</p>		

| Validation Data



Immunohistochemical analysis of paraffin-embedded Human testis. 1, Antibody was diluted at 1:200(4° overnight). 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).



Immunohistochemistry analysis of paraffin-embedded human skeletal muscle tissue, using XIAP Antibody. The picture on the right is blocked with the synthesized peptide.

| Contact information

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Please scan the QR code to access additional product information:

XIAP Rabbit pAb

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

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