XIAP (Phospho Ser87) Rabbit pAb

CatalogNo: YP0681 Orthogonal Validated

Key Features

Host Species
- Rabbit

Reactivity
- Human,Mouse,Rat

Applications
- WB,IHC,IF,ELISA

MW
- 57kD (Observed)

Isotype
- IgG

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.

Recommended Dilution Ratios

WB 1:500-1:2000
IHC 1:100-1:300
ELISA 1:20000
IF 1:50-200

Basic Information

Clonality	Polyclonal

Immunogen Information

Immunogen	The antiserum was produced against synthesized peptide derived from human XIAP around the phosphorylation site of Ser87. AA range:53-102

Specificity	Phospho-XIAP (S87) Polyclonal Antibody detects endogenous levels of XIAP protein only when phosphorylated at S87.The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):KVsPN

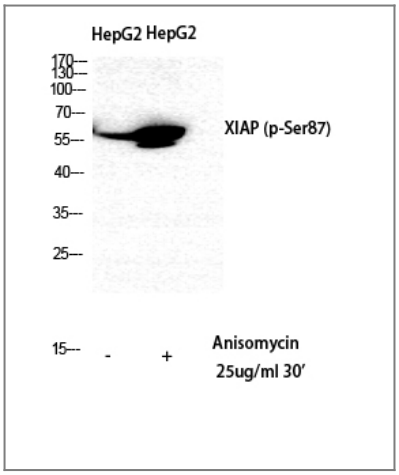
Target Information

Gene name	XIAP
Protein Name	E3 ubiquitin-protein ligase XIAP

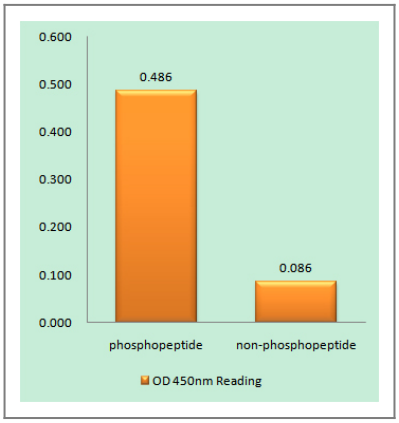
Organism	Gene ID	UniProt ID
Human	331;	P98170;
Mouse	11798;	Q60989;
Rat	63879;	Q9R0I6;

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	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. ,

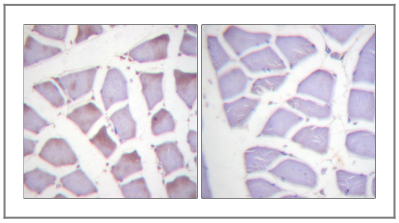
Validation Data



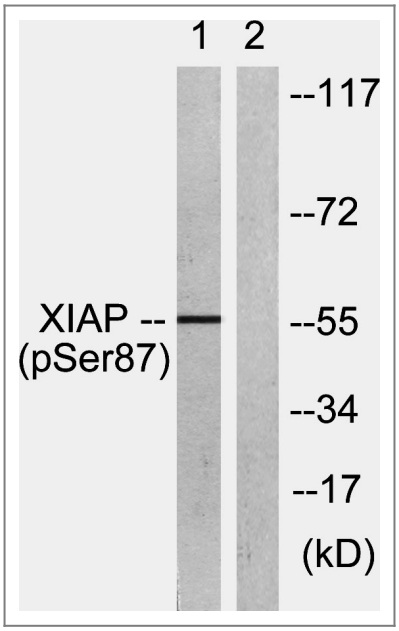
Western Blot analysis of HepG2 cells using Phospho-XIAP (S87) Polyclonal Antibody diluted at 1:500



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using XIAP (Phospho-Ser87) Antibody



Immunohistochemistry analysis of paraffin-embedded human skeletal muscle, using XIAP (Phospho-Ser87) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from HepG2 cells treated with Anisomycin 25ug/ml 30', using XIAP (Phospho-Ser87) Antibody. The lane on the right is blocked with the phospho peptide.

Contact information

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Please scan the QR code to access additional product information:
XIAP (Phospho Ser87) Rabbit pAb

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