XIAP (PT0653R) PT® Rabbit mAb

CatalogNo: YM8557 Recombinant

Key Features

Host Species
- Rabbit

Reactivity
- Human,Mouse,Rat

Applications
- WB,IF,IP,ELISA

MW
- 57kD (Calculated)

57kD (Observed)

Isotype
- IgG,Kappa

Recommended Dilution Ratios

WB 1:500-1:2000
IF 1:200-1:1000
ELISA 1:5000-1:20000
IP 1:50-1:200

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA

Basic Information

Clonality	Monoclonal
Clone Number	PT0653R

Immunogen Information

Specificity	Endogenous

Target Information

Gene name XIAP

Protein Name E3 ubiquitin-protein ligase XIAP

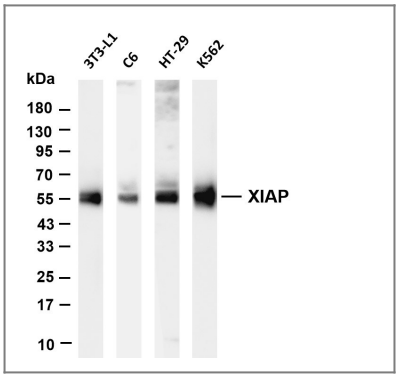
Organism	Gene ID	UniProt ID
Human	1111;	P98170;
Mouse	11798;	Q60989;
Rat	140583;	Q91ZN7;

Cellular Localization Cytoplasm,Nucleus

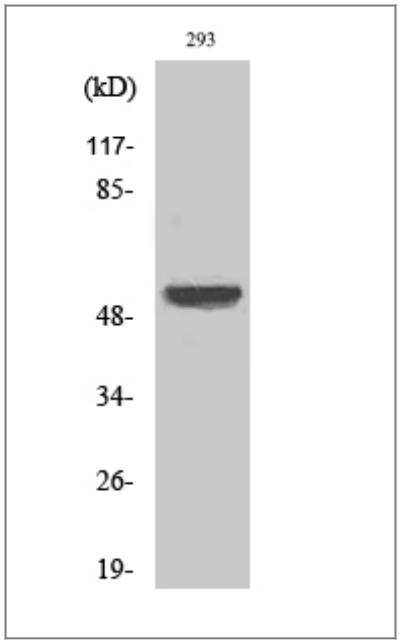
Tissue specificity Expressed ubiquitously with the most abundant expression in thymus, testis, small intestine and colon.

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.,

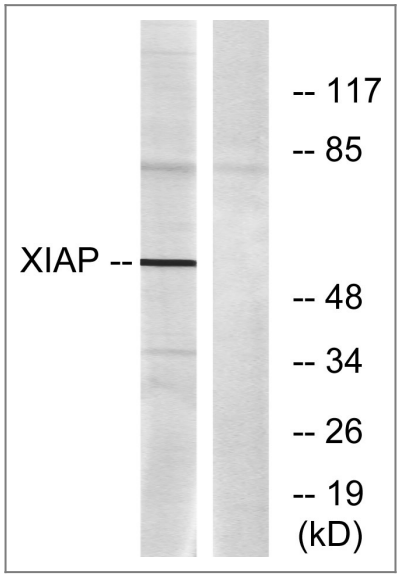
Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-XIAP antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: 3T3-L1 Lane 2: C6 Lane 3: HT-29 Lane 4: K562 Predicted band size: 57kDa Observed band size: 57kDa



Western Blot analysis of 293 cells using XIAP Antibody diluted at 1:1000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Western blot analysis of lysates from 293 cells, using XIAP Antibody. The lane 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 (PT0653R) PT® Rabbit mAb