

Rabbit anti-Human Cleaved IL-18 Monoclonal Antibody | anti-IL-18 antibody

Cleaved IL-18 (Tyr37) Rabbit mAb

CATALOG # AAA283045	HOST Rabbit	REACTIVITY Human	APPLICATIONS Western Blot
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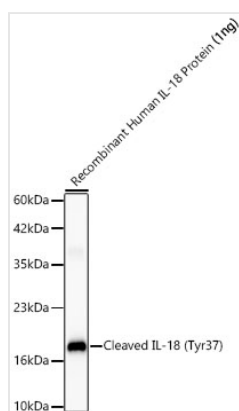
PRODUCT SYNONYMS

Cleaved IL-18; Monoclonal Antibody; Cleaved IL-18 (Tyr37) Rabbit mAb; mature IL-18; Cleaved IL-18 (Tyr37); anti-IL-18 antibody

PRODUCT SPECIFICATIONS

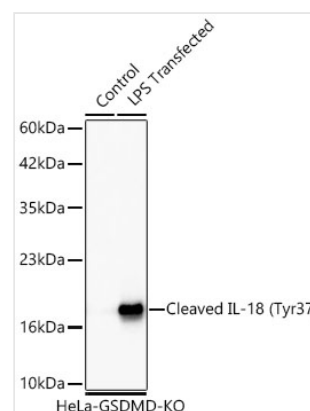
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Applicable Applications for anti-IL-18 antibody	WB (Western Blot)
Immunogen	A synthetic peptide corresponding to residues surrounding Tyr37 of human IL18 (NP_001553.1).
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles. Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

IMAGES



WB (Western Blot)

Western blot analysis of Recombinant Human IL-18 Protein (RP00006) using Cleaved IL-18 (Tyr37) Rabbit mAb (AAA283045) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 1 ng per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 60s.



WB (Western Blot)

Western blot analysis of lysates from GSDMD knockout (KO) HeLa cells and GSDMD knockout (KO) HeLa cells transfected with LPS using Cleaved IL-18 (Tyr37) Rabbit mAb (AAA283045) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 60s. WB samples for antibody validation are kindly provided by Dr. Feng Shao, NIBS.

ADDITIONAL INFORMATION

Related Product Information for anti-IL-18 antibody	The protein encoded by this gene is a proinflammatory cytokine of the IL-1 family that is constitutively found as a precursor within the cytoplasm of a variety of cells including macrophages and keratinocytes. The inactive IL-18 precursor is processed to its active form by caspase-1, and is capable of stimulating interferon gamma production, and of regulating both T helper (Th) 1 and Th2 responses. This cytokine has been implicated in the injury of different organs, and in potentially fatal conditions characterized by a cytokine storm. In humans, IL-18 gene is located on chromosome 11. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Product Categories/Family for anti-IL-18 antibody	Cancer; Tumor immunology; Invasion and Metastasis; Cell Biology Developmental Biology; Apoptosis; Growth factors; Endocrine Metabolism; Immunology Inflammation; Cytokines; Interleukins; Cell Intrinsic Innate Immunity Signaling Pathway; Cardiovascular; Ang

NCBI AND UNIPROT INFORMATION

NCBI GI #	342349321
NCBI GeneID	3606
NCBI Accession #	NP_001230140.1
NCBI GenBank Nucleotide #	NM_001243211.1
UniProt Accession #	Q14116; O75599; Q6FGY3; Q6WWJ7
Molecular Weight	Calculated MW: 22KDa Observed MW: 18KDa
UniProt Protein Name	Interleukin-18
UniProt Gene Name	IL18
UniProt Synonym Gene Names	IGIF; IL1F4; IL-18; IFN-gamma-inducing factor; IL-1 gamma
UniProt Entry Name	IL18_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cleaved-il-18-antibody-western-blot-elisa/283045>