Name: Goat Anti-IL18 Antibody  
Product Data Sheet - ANTIBODY  

Catalog: TA305919

Components:  
- Goat Anti-IL18 Antibody (TA305919)

Amount:  
100ug

Immunogen:  
Peptide with sequence C-NPPDNIKDTKSDI, from the internal region of the protein sequence according to NP_001553.1.

Host:  
Goat

Isotype:  
Goat IgG

Species Reactivity:  
Test: Human. Expected from seq similarity: Human

Guaranteed Applications:  
WB

Suggested Dilutions:  
WB: 1-3ug/ml.

Concentration:  
Lot dependent; please refer to CoA along with shipment

Buffer:  
0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Purification:  
Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20C. Minimize freezing and thawing.

Storage Condition:  
Shipped at -20C or with ice packs. Upon delivery store at -20C. Dilute in PBS (pH7.3) if necessary. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws.

Target

Target Name:  
interleukin 18

Alternative Name:  
IGIF|IL-18|IL-1g|IL1F4

Database Link:  
NP_001553  
Entrez Gene 3606 Human

Function:  
The protein encoded by this gene is a proinflammatory cytokine. This cytokine can induce the IFN-gamma production of T cells. The combination of this cytokine and IL12 has been shown to inhibit IL4 dependent IgE and IgG1 production, and enhance IgG2a production of B cells. IL-18 binding protein (IL18BP) can specifically interact with this cytokine, and thus negatively regulate its biological activity.

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
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TA305919 (0.1ug/ml) staining of HeLa lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

* More validation images may be available on our website: [http://www.origene.com/antibody/TA305919.aspx](http://www.origene.com/antibody/TA305919.aspx)