10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-YIPF3 Antibody
Catalog # ABO10949

Specification

Anti-YIPF3 Antibody - Product Information

Application	**WB, IHC**
Primary Accession	Q9GZM5
Host	**Rabbit**
Reactivity	**Human, Mouse, Rat**
Clonality	**Polyclonal**
Format	**Lyophilized**

Description
Rabbit IgG polyclonal antibody for Protein YIPF3(YIPF3) detection. Tested with WB, IHC-P in Human;Mouse;Rat.

Reconstitution
Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-YIPF3 Antibody - Additional Information

Gene ID 25844

Other Names
Protein YIPF3, Killer lineage protein 1, Natural killer cell-specific antigen KLIP1, YIP1 family member 3, Protein YIPF3, 36 kDa form III, YIPF3, C6orf109, KLIP1

Calculated MW
38248 MW KDa

Application Details
Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, Rat, Mouse, By Heat
Western blot, 0.1-0.5 µg/ml, Human, Rat, Mouse

Subcellular Localization
Cell membrane; Multi-pass membrane protein. Cytoplasm. Golgi apparatus, cis-Golgi network membrane; Multi-pass membrane protein. Localization to the cytoplasm or to the cell membrane is developmentally and ontogenetically regulated.

Tissue Specificity
Expressed by nucleated hematopoietic cells (at protein level). .

Protein Name
Protein YIPF3

Contents
Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.

Immunogen
A synthetic peptide corresponding to a sequence at the N-terminus of human YIPF3(47-61aa

FEDMGELHQRLREEE), identical to the related rat and mouse sequences.

Purification
Immunogen affinity purified.

Cross Reactivity
No cross reactivity with other proteins

Storage	**At -20˚C for one year. After r˚Constitution, at 4˚C for one month. It˚Can also be aliquotted and stored frozen at -20˚C for a longer time.Avoid repeated freezing and thawing.**

Sequence Similarities
Belongs to the YIP1 family.

Anti-YIPF3 Antibody - Protein Information

Name YIPF3

Synonyms C6orf109, KLIP1

Function
Involved in the maintenance of the Golgi structure. May play a role in hematopoiesis.

Cellular Location
Cell membrane; Multi-pass membrane protein. Cytoplasm. Golgi apparatus, cis-Golgi network membrane; Multi-pass membrane protein Note=Localization to the cytoplasm or to the cell membrane is developmentally and ontogenetically regulated

Tissue Location
Expressed by nucleated hematopoietic cells (at protein level).

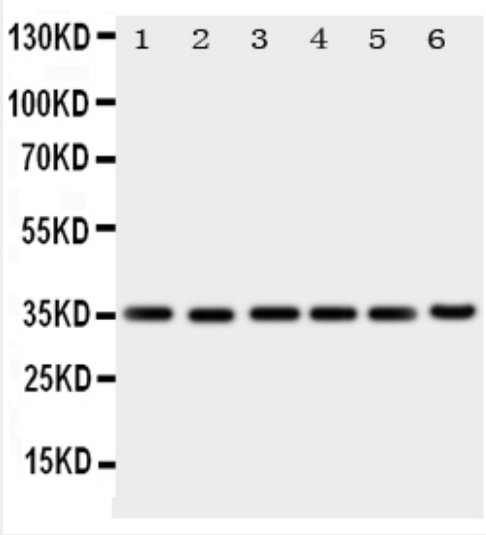
Anti-YIPF3 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

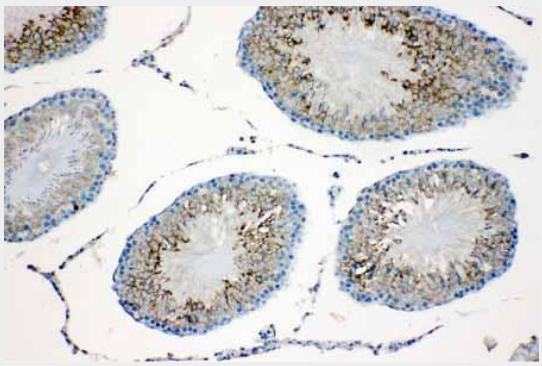
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-YIPF3 Antibody - Images

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999



Anti-YIPF3 antibody, ABO10949, Western blottingAll lanes: Anti YIPF3 (ABO10949) at 0.5ug/mlLane 1: Rat Liver Tissue Lysate at 50ugLane 2: Rat Thymus Tissue Lysate at 50ugLane 3: COLO320 Whole Cell Lysate at 40ugLane 4: SMMC Whole Cell Lysate at 40ugLane 5: HELA Whole Cell Lysate at 40ugLane 6: SW620 Whole Cell Lysate at 40ugPredicted bind size: 48KDObserved bind size: 35KD



Anti-YIPF3 antibody, ABO10949, IHC(P)IHC(P): Rat Testis Tissue

Anti-YIPF3 Antibody - Background

KLIP1(KILLER LINEAGE PROTEIN 1), also known as YIPF3. The KL1P1 gene is mapped to chromosome 6p21.1. The KLIP1 gene contains 9 exons and spans about 5 kb. And KLIP1 also contains an N-terminal signal sequence, followed by an extracellular domain, 5 transmembrane regions, and a cytoplasmic C-terminal sequence. KLIP1 expression closely correlated with hematopoietic activity in both intra- and extra-embryonic hematopoietic sites. In day 30/32 human embryo sections, KLIP1 protein expression was restricted to circulating hematopoietic cells at hematopoiesis sites. Western blot analysis of fetal liver extracts and in vitro translated KLIP1 cDNA detected the KLIP1 protein at an apparent molecular mass of 37 kD. Phylogenetic analysis indicated that KLIP1 is highly conserved.