

Goat Anti-WIPF1 Antibody
Peptide-affinity purified goat antibody
Catalog # AF2158a**Specification**

Goat Anti-WIPF1 Antibody - Product Information

Application	WB
Primary Accession	O43516
Other Accession	NP_001070737 , 7456 , 215280 (mouse) , 117538 (rat)
Reactivity	Human
Predicted	Mouse, Rat, Dog
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	51258

Goat Anti-WIPF1 Antibody - Additional Information**Gene ID** 7456**Other Names**

WAS/WASL-interacting protein family member 1, Protein PRPL-2, Wiskott-Aldrich syndrome protein-interacting protein, WASP-interacting protein, WIPF1, WASPIP, WIP

Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-WIPF1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-WIPF1 Antibody - Protein Information**Name** WIPF1**Synonyms** WASPIP, WIP**Function**

Plays a role in the reorganization of the actin cytoskeleton. Contributes with NCK1 and GRB2 in the recruitment and activation of WASL. May participate in regulating the subcellular localization of

WASL, resulting in the disassembly of stress fibers in favor of filopodia formation. Plays a role in the formation of cell ruffles (By similarity). Plays an important role in the intracellular motility of vaccinia virus by functioning as an adapter for recruiting WASL to vaccinia virus.

Cellular Location

Cytoplasmic vesicle. Cytoplasm, cytoskeleton. Cell projection, ruffle. Note=Vesicle surfaces and along actin tails. Colocalizes with actin stress fibers. When coexpressed with WASL, no longer associated with actin filaments but accumulated in perinuclear and cortical areas like WASL (By similarity)

Tissue Location

Highly expressed in peripheral blood mononuclear cells, spleen, placenta, small intestine, colon and thymus. Lower expression in ovary, heart, brain, lung, liver, skeletal muscle, kidney, pancreas, prostate and testis.

Goat Anti-WIPF1 Antibody - Protocols

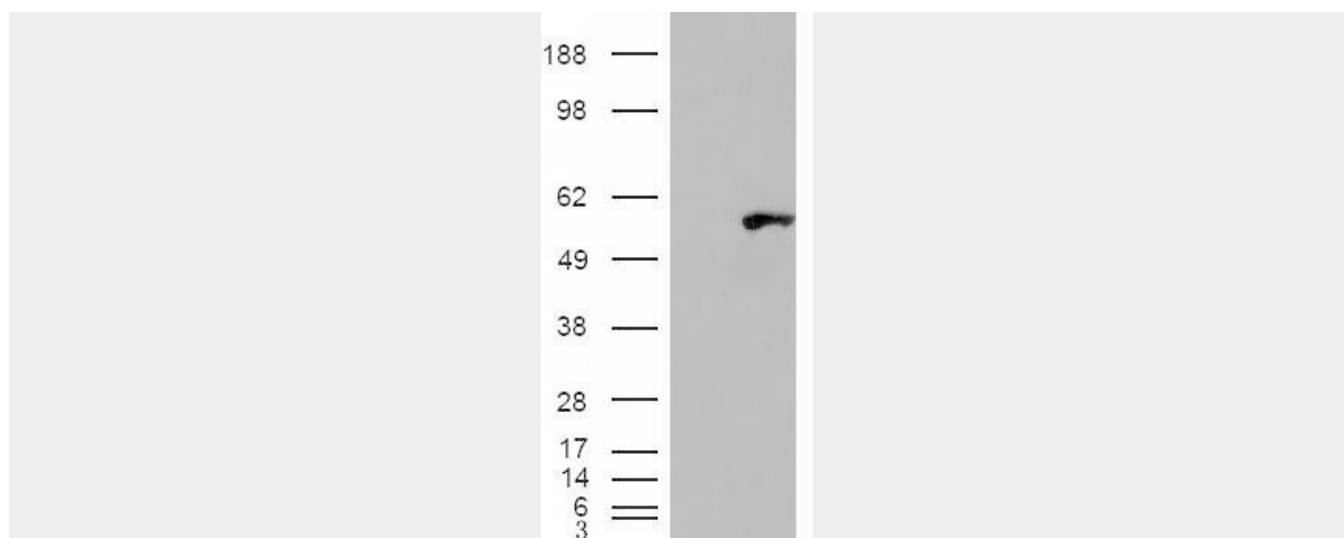
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Goat Anti-WIPF1 Antibody - Images



AF2158a (0.03 µg/ml) staining of Human Tonsil lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



HEK293 overexpressing WIPF1 (RC217601) and probed with AF2158a (mock transfection in first lane), tested by Origene.

Goat Anti-WIPF1 Antibody - Background

This gene encodes a protein that plays an important role in the organization of the actin cytoskeleton. The encoded protein binds to a region of Wiskott-Aldrich syndrome protein that is frequently mutated in Wiskott-Aldrich syndrome, an X-linked recessive disorder. Impairment of the interaction between these two proteins may contribute to the disease. Two transcript variants encoding the same protein have been identified for this gene.

Goat Anti-WIPF1 Antibody - References

Characterization of Wiskott-Aldrich syndrome (WAS) mutants using *Saccharomyces cerevisiae*. Rajmohan R, et al. FEMS Yeast Res, 2009 Dec. PMID 19817875.

An expression module of WIPF1-coexpressed genes identifies patients with favorable prognosis in three tumor types. Staub E, et al. J Mol Med, 2009 Jun. PMID 19399471.

FBP17 Mediates a Common Molecular Step in the Formation of Podosomes and Phagocytic Cups in Macrophages. Tsuboi S, et al. J Biol Chem, 2009 Mar 27. PMID 19155218.

Identification of interaction partners for individual SH3 domains of Fas ligand associated members of the PCH protein family in T lymphocytes. Linkermann A, et al. Biochim Biophys Acta, 2009 Feb. PMID 19041431.

WIP is essential for lytic granule polarization and NK cell cytotoxicity. Krzewski K, et al. Proc Natl Acad Sci U S A, 2008 Feb 19. PMID 18258743.