

# TRAF3IP2 Antibody / TRAF3-interacting protein 2 (FY12301)

Catalog No.	Formulation	Size
FY12301	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml	100 ug

### **Bulk quote request**

Availability	1-2 days
Species Reactivity	Human, Mouse, Rat
Format	Lyophilized
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Immunogen affinity purified
Buffer	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
UniProt	O43734
Applications	Western Blot : 0.25-0.5ug/ml Flow Cytometry : 1-3ug/million cells ELISA : 0.1-0.5ug/ml
Limitations	This TRAF3IP2 antibody is available for research use only.

## **Description**

TRAF3IP2 antibody detects TRAF3-interacting protein 2, encoded by the TRAF3IP2 gene on chromosome 6q21. TRAF3IP2 antibody is widely used in immunology, signal transduction, and inflammatory disease research. TRAF3IP2, also known as Act1, is a cytoplasmic adaptor protein that integrates signals from interleukin receptors, Toll-like receptors, and TNF receptor family members. It is critical for NF-kappaB and MAPK activation downstream of IL-17 signaling.

Structurally, TRAF3IP2 is a ~62 kDa protein containing an SEFIR domain, a helix-loop-helix domain, and TRAF-binding motifs. These domains enable interactions with IL-17 receptor subunits, TRAF proteins, and kinases. TRAF3IP2 acts as a signal transducer bridging receptor complexes to downstream effectors, particularly in inflammatory pathways.

Functionally, TRAF3IP2 is indispensable for IL-17 signaling, mediating proinflammatory gene expression in epithelial and immune cells. It also participates in antiviral responses, B cell maturation, and adaptive immunity. Researchers use TRAF3IP2 antibody to study cytokine signaling, inflammation, and host defense.

Clinically, mutations in TRAF3IP2 are associated with psoriasis, psoriatic arthritis, and other autoimmune diseases. Polymorphisms in TRAF3IP2 influence susceptibility to inflammatory disorders, and dysregulated expression has been

linked to cancer progression. Because IL-17 signaling is a therapeutic target, TRAF3IP2 is under investigation as a biomarker and potential drug target. NSJ Bioreagents supplies TRAF3IP2 antibody for immunology, inflammation, and disease mechanism studies.

Experimentally, TRAF3IP2 antibody is used in western blotting to detect the ~62 kDa protein, in immunofluorescence to study cytoplasmic distribution, and in co-immunoprecipitation to examine receptor complexes. It is valuable in dissecting IL-17-mediated signaling cascades.

#### **Application Notes**

Optimal dilution of the TRAF3IP2 antibody should be determined by the researcher.

#### **Immunogen**

E.coli-derived human TRAF3IP2 recombinant protein (Position: M1-H528) was used as the immunogen for the TRAF3IP2 antibody.

#### **Storage**

After reconstitution, the TRAF3IP2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.