



# ASC-1 Polyclonal Antibody

<b>Catalog No</b>	YP-Ab-01540
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Gene Name</b>	TRIP4
<b>Protein Name</b>	Activating signal cointegrator 1
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human TRIP4. AA range:81-130
<b>Specificity</b>	ASC-1 Polyclonal Antibody detects endogenous levels of ASC-1 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	TRIP4; Activating signal cointegrator 1; ASC-1; Thyroid receptor-interacting protein 4; TR-interacting protein 4; TRIP-4
<b>Observed Band</b>	66kD
<b>Cell Pathway</b>	Nucleus . Cytoplasm, cytosol . Cytoplasm, cytoskeleton, microtubule organizing center, centrosome . Cytoplasmic under conditions of serum deprivation (PubMed:10454579). Colocalizes with NEK6 in the centrosome (PubMed:20873783). .
<b>Tissue Specificity</b>	Lung,
<b>Function</b>	function:Transcription coactivator of nuclear receptors which functions in conjunction with CBP-p300 and SRC-1 and may play an important role in establishing distinct coactivator complexes under different cellular conditions. Plays a pivotal role in the transactivation of NF-kappa-B, SRF and AP1. Acts as a mediator of transrepression between nuclear receptor and either AP1 or NF-kappa-B. Plays a role in androgen receptor transactivation and in testicular function.,subcellular location:Cytoplasmic under conditions of serum deprivation.,subunit:Specifically interacts with the ligand binding domain of the thyroid receptor (TR). This interaction requires the presence of thyroid hormone. Exists as a steady-state complex associated with ASCC1, ASCC2 and HELIC1. Interacts with the androgen receptor androgen (AR) in an androgen, testosterone



and dihydrotestosterone-dependent manner.,

### Background

This gene encodes a subunit of the tetrameric nuclear activating signal cointegrator 1 (ASC-1) complex, which associates with transcriptional coactivators, nuclear receptors and basal transcription factors to facilitate nuclear receptors-mediated transcription. This protein is localized in the nucleus and contains an E1A-type zinc finger domain, which mediates interaction with transcriptional coactivators and ligand-bound nuclear receptors, such as thyroid hormone receptor and retinoid X receptor alpha, but not glucocorticoid receptor. Mutations in this gene are associated with spinal muscular atrophy with congenital bone fractures-1 (SMABF1). [provided by RefSeq, Apr 2016],

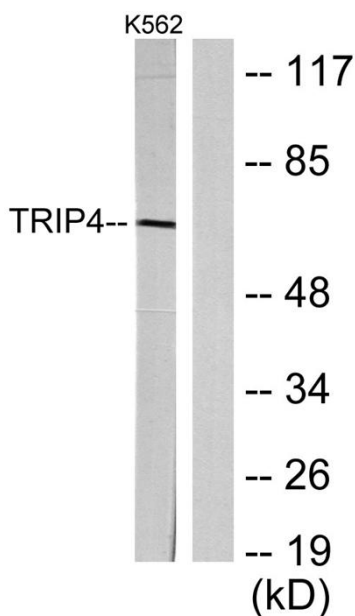
### matters needing attention

Avoid repeated freezing and thawing!

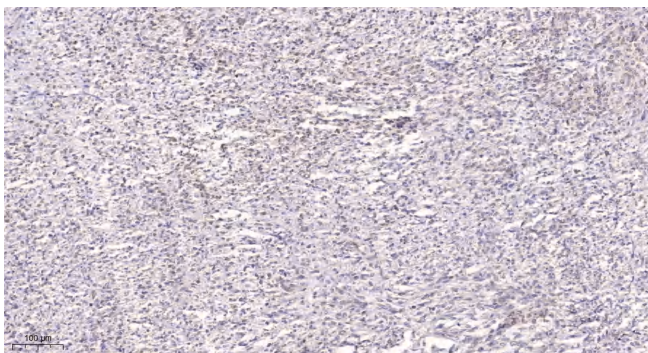
### Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western blot analysis of lysates from K562 cells, using TRIP4 Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human Small intestinal stromal tumor. 1, Tris-EDTA,pH9.0 was used for antigen retrieval. 2 Antibody was diluted at 1:200(4° overnight.3,Secondary antibody was diluted at 1:200(room temperature, 45min).