Best Tools for immunology Research

# ASC-1 Polyclonal Antibody

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|---|---|
| **Catalog No :** | YT0366 |
| **Reactivity :** | Human;Mouse |
| **Applications :** | WB;IHC;IF;ELISA |
| **Target :** | ASC-1 |
| **Gene Name :** | TRIP4 |
| **Protein Name :** | Activating signal cointegrator 1 |
| **Human Gene Id :** | 9325 |
| **Human Swiss Prot No :** | Q15650 |
| **Mouse Gene Id :** | 56404 |
| **Mouse Swiss Prot No :** | Q9QXN3 |
| **Immunogen :** | The antiserum was produced against synthesized peptide derived from human TRIP4. AA range:81-130 |
| **Specificity :** | ASC-1 Polyclonal Antibody detects endogenous levels of ASC-1 protein. |
| **Formulation :** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| **Source :** | Polyclonal, Rabbit,IgG |
| **Dilution :** | WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other applications. |
| **Purification :** | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| **Concentration :** | 1 mg/ml |
| **Storage Stability :** | -15°C to -25°C/1 year(Do not lower than -25°C) |

**Observed Band :** 66kD

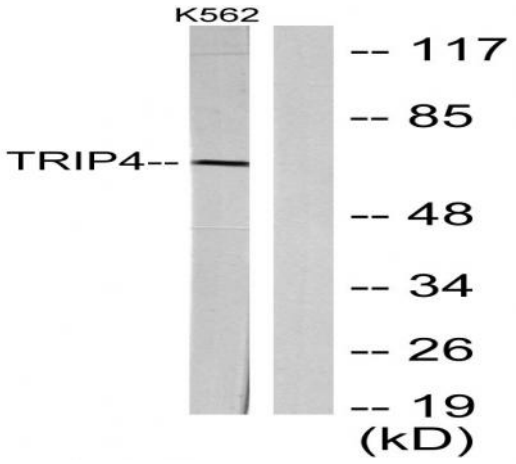
**Background :** This gene encodes a subunit of the tetrameric nuclear activating signal cointegrator 1 (ASC-1) complex, which associates with transcriptional coactivators, nuclear receptors and basal transcription factors to facilitate nuclear receptors-mediated transcription. This protein is localized 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],

**Function :** 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.,

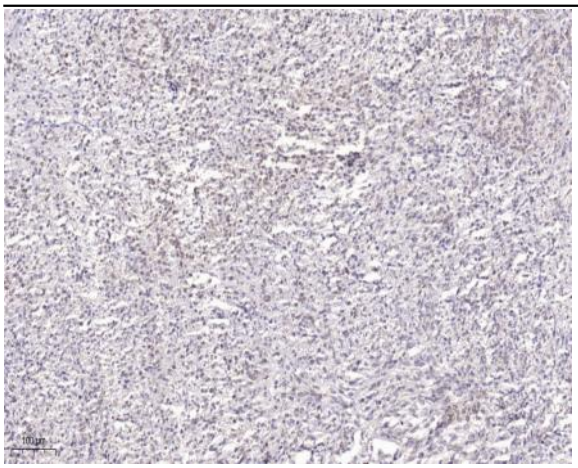
**Subcellular Location :** Nucleus . Cytoplasm, cytosol . Cytoplasm, cytoskeleton, microtubule organizing center, centrosome . Cytoplasmic under conditions of serum deprivation (PubMed:10454579). Colocalizes with NEK6 in the centrosome (PubMed:20873783). .

**Expression :** Lung,

## 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).