

Anti-TACC1 Picoband Antibody
Catalog # ABO10302**Specification**

Anti-TACC1 Picoband Antibody - Product Information

Application	WB
Primary Accession	O75410
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for Transforming acidic coiled-coil-containing protein 1(TACC1) detection. Tested with WB in Human;Mouse.

Reconstitution

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

Anti-TACC1 Picoband Antibody - Additional Information

Gene ID 6867

Other Names

Transforming acidic coiled-coil-containing protein 1, Gastric cancer antigen Ga55, Taxin-1, TACC1, KIAA1103

Calculated MW

87794 MW KDa

Application Details

Western blot, 0.1-0.5 µg/ml, Human, Mouse

Subcellular Localization

Cytoplasm . Nucleus . Cytoplasm, cytoskeleton, microtubule organizing center, centrosome . Midbody . Nucleus during interphase. Weakly concentrated at centrosomes during mitosis and colocalizes with AURKC at the midbody during cytokinesis. .

Tissue Specificity

Isoform 1, isoform 3 and isoform 5 are ubiquitous. Isoform 2 is strongly expressed in the brain, weakly detectable in lung and colon, and overexpressed in gastric cancer. Isoform 4 is not detected in normal tissues, but strong expression was found in gastric cancer tissues. Down-regulated in a subset of cases of breast cancer. .

Protein Name

Transforming acidic coiled-coil-containing protein 1

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Na₃.

Immunogen

A synthetic peptide corresponding to a sequence at the N-terminus of human TACC1 (196-235aa MTEGSMGVTLEASAEADLKAGNSCELVPSRRSKLRKPKP), different from the related mouse sequence by fourteen amino acids.

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins.

Storage

At -20°C for one year. After reconstitution, 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.

Anti-TACC1 Picoband Antibody - Protein Information

Name TACC1

Synonyms KIAA1103

Function

Involved in transcription regulation induced by nuclear receptors, including in T3 thyroid hormone and all-trans retinoic acid pathways (PubMed: [20078863](http://www.uniprot.org/citations/20078863)). Might promote the nuclear localization of the receptors (PubMed: [20078863](http://www.uniprot.org/citations/20078863)). Likely involved in the processes that promote cell division prior to the formation of differentiated tissues.

Cellular Location

Cytoplasm. Nucleus. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Midbody. Note=Nucleus during interphase. Weakly concentrated at centrosomes during mitosis and colocalizes with AURKC at the midbody during cytokinesis. [Isoform 10]: Cytoplasm

Tissue Location

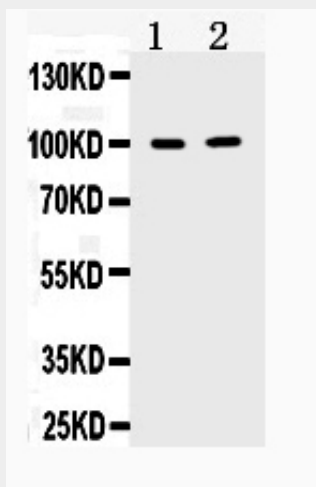
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Anti-TACC1 Picoband Antibody - Protocols

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](#)

Anti-TACC1 Picoband Antibody - Images



Western blot analysis of TACC1 expression in mouse testis extract (lane 1) and U87 whole cell lysates (lane 2). TACC1 at 100KD was detected using rabbit anti- TACC1 Antigen Affinity purified polyclonal antibody (Catalog # ABO10302) at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method .

Anti-TACC1 Picoband Antibody - Background

Transforming acidic coiled-coil-containing protein 1 is a protein that in humans is encoded by the TACC1 gene. This locus may represent a breast cancer candidate gene. It is located close to FGFR1 on a region of chromosome 8 that is amplified in some breast cancers. Three transcript variants encoding different isoforms have been found for this gene.