

Anti-TACC1 Picoband Antibody

Catalog # ABO10302

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.

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
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. .
Source	Eukaryota
Protein Name	Transforming acidic coiled-coil-containing protein 1
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
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.

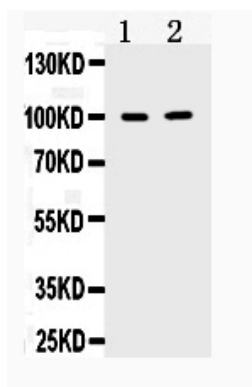
Protein Information

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). Might promote the nuclear localization of the receptors (PubMed: 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	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

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.

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 .