



TACC1 Monoclonal Antibody

Catalog No	YP-mAb-00527
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	TACC1
Immunogen	The antiserum was produced against synthesized peptide derived from human TACC1. AA range:11-60
Specificity	TACC1 Monoclonal Antibody detects endogenous levels of TACC1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Ga55;KIAA1103;Taxin1;Taxin-1;Transforming acidic coiled-coil-containing protein 1;TACC1;Gastric cancer antigen Ga55
Observed Band	87kD
Calculated Molecular Weight	87kD
Cell Pathway	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. .; [Isoform 5]: Membrane ; Lipid-anchor .; [Isoform 10]: Cytoplasm .
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.
Function	alternative products:Additional isoforms seem to exist,developmental stage:Expressed at high level during early embryogenesis.,function:Likely involved in the processes that promote cell division prior to the formation of differentiated tissues.,miscellaneous:Down-regulated in a subset of cases of breast cancer.,PTM:Isoform 1 is heavily phosphorylated; isoform 6 is not.



Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the TACC family.,similarity:Contains 2 SPAZ (Ser/Pro-rich AZU-1) domains., subcellular location:Nucleus during interphase. Weakly concentrated at centrosomes during mitosis.,subunit:Interacts with KIAA0097/CH-TOG and with the oncogenic transcription factor YEATS4. Interacts with the Aurora kinases A and B (STK6 and AURKB). Interacts with LSM7, TDRD7 and SNRPG. Interacts with GCN5L2 and PCAF.,tissue specificity:Isoform 1, isoform 3 and isoform 5 a

Background

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. [provided by RefSeq, Apr 2009],

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

