Product Name: TACC1 Rabbit Polyclonal Antibody
Catalog #: APRab18599
For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:5000-1:20000
Molecular Weight	87kDa

Antigen Information

Gene Name	TACC1
Alternative Names	TACC1; KIAA1103; Transforming acidic coiled-coil-containing protein 1; Gastric cancer antigen Ga55; Taxin-1
Gene ID	6867.0
SwissProt ID	O75410
Immunogen	The antiserum was produced against synthesized peptide derived from human TACC1. AA range:11-60

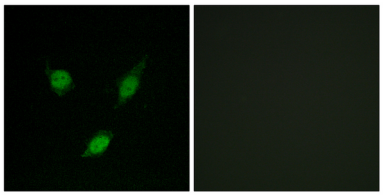
Background

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],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 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.,

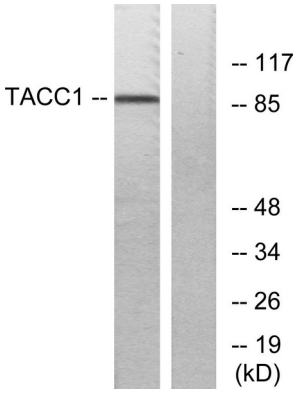
Research Area

Cell Biology; Cell Cycle; Markers; Epigenetics and Nuclear Signaling; Cell Differentiation

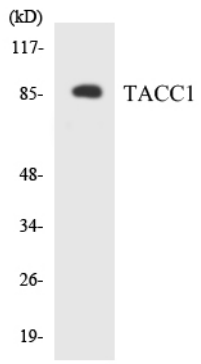
Image Data



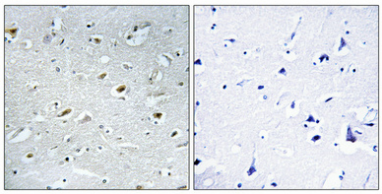
Immunofluorescence analysis of MCF7 cells, using TACC1 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from K562 cells, using TACC1 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HeLa cells using TACC1 antibody.



Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100（4°,overnight）. High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl （right） obtaned from antibody was pre-absorbed by immunogen peptide.