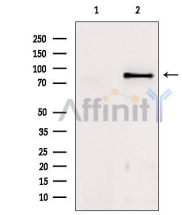
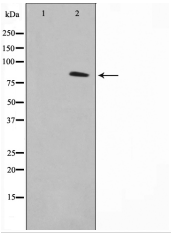
TACC1 Ab

Cat.#: AF0456	Concn.: 1mg/ml	Mol.Wt.: 87kDa
Size: 100ul,200ul	Source: Rabbit	Clonality: Polyclonal

Application:	WB 1:500-1:2000 IF/ICC 1:100-1:500
Reactivity:	Human,Mouse
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).
Specificity:	TACC1 Ab detects endogenous levels of TACC1.
Immunogen:	A synthesized peptide derived from human TACC1.
Uniprot:	O75410
Description:	Likely involved in the processes that promote cell division prior to the formation of differentiated tissues. 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. 8 isoforms of the human protein are produced by alternative splicing. Protein Type: Unknown function
Subcellular Location:	Cytoplasm. Nucleus. Cytoplasm > cytoskeleton > centrosome. 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.
Similarity:	Belongs to the TACC family.
Storage Condition and Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt.



Western blot analysis of extracts from mouse brain, using TACC1 Ab. Lane 1 was treated with the blocking peptide.



Western blot analysis on K562 cell lysate using TACC1 Ab,The lane on the left is treated with the antigen-specific peptide.

AF0456 staining Hela by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. The primary Ab was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary Ab.

AF0456 staining K562 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. The primary Ab was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary Ab.

AF0456 staining K562 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. The primary Ab was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab(Cat.# S0006), diluted at 1/600, was used as secondary Ab.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.