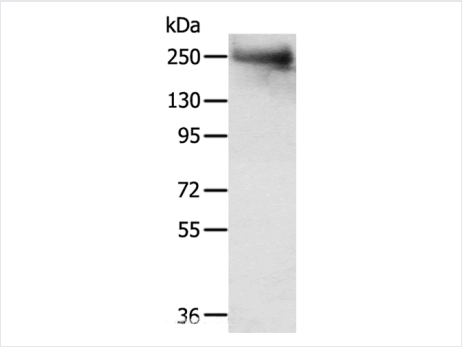
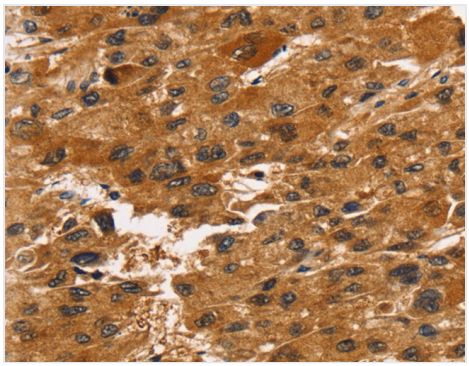
TACC2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

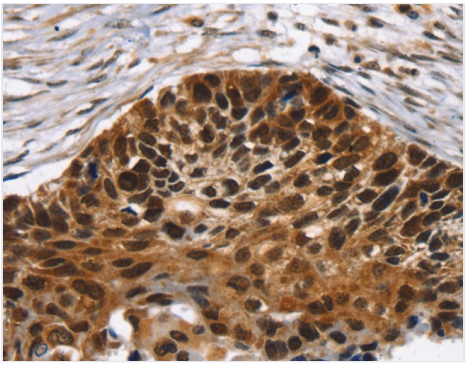
Product Name	TACC2, Polyclonal Antibody
Full Product Name	TACC2 Polyclonal Antibody
Product Gene Name	anti-TACC2 antibody
Product Synonym Names	AZU-1; ECTACC
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Purity/Purification	Antigen affinity purification
Concentration	2mg/mL (lot specific)
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.
Molecular Weight	108,690 Da
OMIM	605302
Immunogen	Synthetic peptide of human TACC2
Buffer	PBS with 0.05% sodium azide, 50% glycerol, pH7.3
Product Categories/Family for anti-TACC2 antibody	Cell biology; Epigenetics
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-TACC2 antibody	ELISA (EIA), Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-TACC2 antibody	WB: 1:200-1:1000 IHC: 1:25-1:100
Related Product Information for anti-TACC2 antibody	Transforming acidic coiled-coil proteins are a conserved family of centrosome- and microtubule-interacting proteins that are implicated in cancer. This gene encodes a protein that concentrates at centrosomes throughout the cell cycle. This gene lies within a chromosomal region associated with tumorigenesis. Expression of this gene is induced by erythropoietin and is thought to affect the progression of breast tumors. Several transcript variants encoding different isoforms have been found for this gene.
Other Notes	Small volumes of anti-TACC2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for TACC2 purchase	MBS2525672 is an antibody targeting TACC2. Also known as TACC2 Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Western Blot (WB) of anti-TACC2 antibody
Western Blot analysis of Mouse muscle tissue using TACC2 Polyclonal Antibody at dilution of 1:300



Immunohistochemistry (IHC) of anti-TACC2 antibody
Immunohistochemistry of paraffin-embedded Human liver cancer using TACC2 Polyclonal Antibody at dilution of 1:30



Immunohistochemistry (IHC) of anti-TACC2 antibody
Immunohistochemistry of paraffin-embedded Human esophagus cancer using TACC2 Polyclonal Antibody at dilution of 1:30

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TACC2. It may not necessarily be applicable to this product.

NCBI GI #	630044897
NCBI GeneID	10579
NCBI Accession #	NP_001278808.1
UniProt Secondary Accession #	Q4VXL0; Q4VXL3; Q4VXL6; Q4VXL7; Q5U5T7; Q86WG6; Q86WG7; Q8TCK9; Q9BVQ1; Q9NZ41; Q9NZR5
UniProt Related Accession #	O95359
GenBank Nucleotide #	NM_001291879.1
NCBI Official Full Name	transforming acidic coiled-coil-containing protein 2 isoform h
NCBI Official Synonym Full Names	transforming, acidic coiled-coil containing protein 2
NCBI Official Symbol	TACC2
NCBI Official Synonym Symbols	AZU-1; ECTACC
UniProt Protein Name	Transforming acidic coiled-coil-containing protein 2
UniProt Synonym Protein Names	Anti-Zuai-1; AZU-1
Protein Family	Transforming acidic coiled-coil-containing protein
UniProt Gene Name	TACC2
UniProt Synonym Gene Names	AZU-1
UniProt Entry Name	TACC2_HUMAN

NCBI Protein Information	transforming acidic coiled-coil-containing protein 2; anti zuai-1
UniProt Comments for TACC2	TACC2: Plays a role in the microtubule-dependent coupling of the nucleus and the centrosome. Involved in the processes that regulate centrosome-mediated interkinetic nuclear migration (INM) of neural progenitors. May play a role in organizing centrosomal microtubules. May act as a tumor suppressor protein. May represent a tumor progression marker. Belongs to the TACC family. 6 isoforms of the human protein are produced by alternative splicing. Protein type: Cell cycle regulation Chromosomal Location of Human Ortholog: 10q26 Cellular Component: microtubule cytoskeleton; nucleoplasm; cytoplasm; nucleolus; microtubule organizing center; nucleus Molecular Function: protein domain specific binding; nuclear hormone receptor binding Biological Process: regulation of microtubule-based process; cell proliferation; astral microtubule organization and biogenesis; neurogenesis; microtubule cytoskeleton organization and biogenesis; cerebral cortex development; interkinetic nuclear migration
Research Articles on TACC2	**1.** Data suggest that TACC2 is highly expressed in prostate cancer cells and contributes to cell cycle progression and cell proliferation in androgen-nonresponsive prostate cancer cells; overexpression of TACC2 leads to recurrence of prostate cancer.
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