

Rabbit TTC7A Polyclonal Antibody | anti-TTC7A antibody

TTC7A Antibody

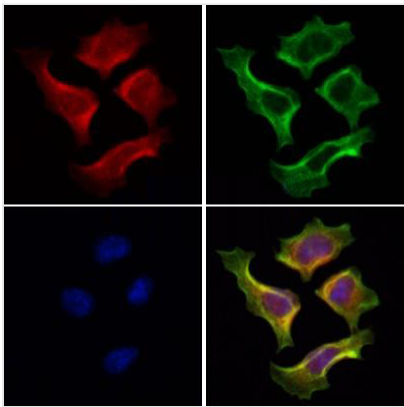
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA31274	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig(88%), Bovine(88%), Horse(88%), Sheep(88%), Rabbit(100%), Dog(86%)	ELISA

PRODUCT SYNONYMS

TTC7A; Polyclonal Antibody; TTC7A Antibody; KIAA1140; Tetratricopeptide repeat domain 7A; Tetratricopeptide repeat protein 7A; TPR repeat protein 7A; TTC7; Ttc7a; TTC7A_HUMAN; anti-TTC7A antibody

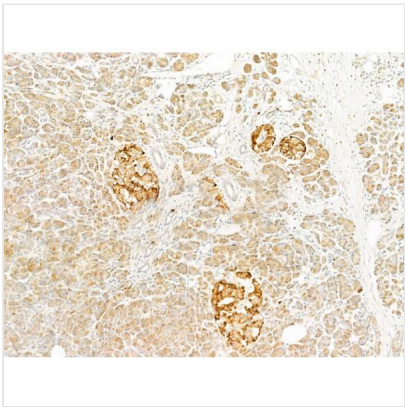
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig(88%), Bovine(88%), Horse(88%), Sheep(88%), Rabbit(100%), Dog(86%)
Clonality	Polyclonal
Isotype	IgG
Specificity	TTC7A Antibody detects endogenous levels of total TTC7A.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	882
Applicable Applications for anti-TTC7A antibody	ELISA
Application Notes	IF: 1:100-1:500 ICC: 1:100-1:500 WB: 1:500-1:2000 IHC: 1:50-1:200 ELISA(peptide): 1:20,000-1:40,000
Immunogen	A synthesized peptide derived from human TTC7A, corresponding to a region within the internal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



IF (Immunofluorescence)

AAA31274 staining HeLa cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA31274 1:200) and mouse anti-beta tubulin Ab(T0023 1:200) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI(blue).



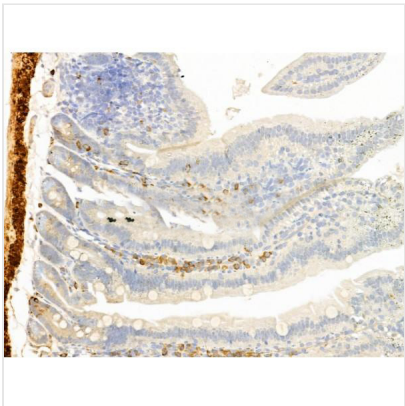
IHC (Immunohistochemistry-Paraffin)

AAA31274 at 1/100 staining Human pancreatic cancer and adjacent normal tissues by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry-Paraffin)

AAA31274 at 1/100 staining Mouse brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



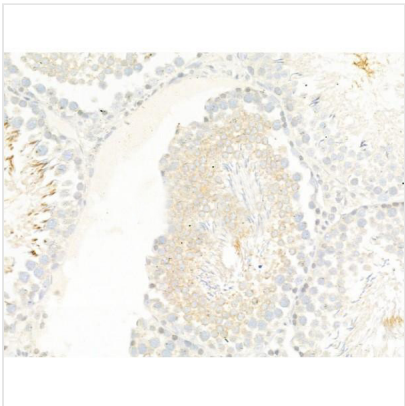
IHC (Immunohistochemistry-Paraffin)

AAA31274 at 1/100 staining Mouse colorectal tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry-Paraffin)

AAA31274 at 1/100 staining Rat brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry-Paraffin)

AAA31274 at 1/100 staining Rat testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-TTC7A antibody	Function: Component of a complex required to localize phosphatidylinositol 4-kinase (PI4K) to the plasma membrane (PubMed:23229899, PubMed:24417819). The complex acts as a regulator of phosphatidylinositol 4-phosphate (PtdIns(4)P) synthesis (Probable). In the complex, plays a central role in bridging PI4KA to EFR3B and FAM126A, via direct interactions (By similarity). Subcellular Location: Cytoplasm. Cell membrane. Note: Localizes to the cytosol and is recruited to the plasma membrane following interaction with EFR3 (EFR3A or EFR3B). Tissue Specificity: Expressed in epithelial cells of the intestine, thymus, and pancreas (at protein level). Subunit Structure: Component of a phosphatidylinositol 4-kinase (PI4K) complex, composed of PI4KA, EFR3 (EFR3A or EFR3B), TTC7 (TTC7A or TTC7B) and FAM126 (FAM126A or FAM126B) (PubMed:24417819). Interacts with PI4KA, interaction is direct (By similarity). Interacts with EFR3 (EFR3A or EFR3B), interaction is direct (By similarity). Interacts with FAM126 (FAM126A or FAM126B), interaction is direct (By similarity). Association with the PI4K complex is strongly reduced by TMEM150A (By similarity).
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	572877702
NCBI GeneID	57217
NCBI Accession #	NP_001275880.1
NCBI GenBank Nucleotide #	NP_001275880.1
UniProt Accession #	Q9ULT0
Molecular Weight	Observed Molecular Weight: (Observed)96kD. Predicted Molecular Weight: (Calculated)96kDa.
NCBI Official Full Name	tetratricopeptide repeat protein 7A isoform 1
NCBI Official Synonym Full Names	tetratricopeptide repeat domain 7A
NCBI Official Symbol	TTC7A
NCBI Official Synonym Symbols	TTC7; GIDID; MINAT
NCBI Protein Information	tetratricopeptide repeat protein 7A
UniProt Protein Name	Tetratricopeptide repeat protein 7A
UniProt Gene Name	TTC7A
UniProt Synonym Gene Names	KIAA1140; TTC7; TPR repeat protein 7A
UniProt Entry Name	TTC7A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.