

Rabbit Apc7 Polyclonal Antibody | anti-ANAPC7 antibody

Apc7 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329036	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Zebrafish(100%), Horse(100%), Sheep(100%), Rabbit(100%), Dog(100%), Xenopus(100%)	ELISA

PRODUCT SYNONYMS

Apc7; Polyclonal Antibody; Apc7 Antibody; anapc7; Anaphase promoting complex subunit 7; Anaphase-promoting complex subunit 7; APC 7; APC7; APC7_HUMAN; Cyclosome subunit 7; Prediabetic NOD sera reactive autoantigen; anti-ANAPC7 antibody

PRODUCT SPECIFICATIONS

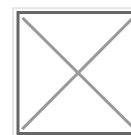
Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Zebrafish(100%), Horse(100%), Sheep(100%), Rabbit(100%), Dog(100%), Xenopus(100%)
Clonality	Polyclonal
Isotype	IgG
Specificity	Apc7 Antibody detects endogenous levels of total Apc7.
Purity/Purification	The antiserum was purified 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	599
Applicable Applications for anti-ANAPC7 antibody	ELISA
Immunogen	A synthesized peptide derived from human Apc7, corresponding to a region within C-terminal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA329036 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(AAA329036 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)

AAA329036 at 1/100 staining Human ovarian cancer 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.



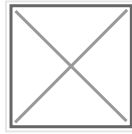
IHC (Immunohistochemisry)

AAA329036 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 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohiostchemistry)

AAA329036 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 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from various samples, using Apc7 Antibody. Lane 1: Myeloma cells, treated with blocking peptide; Lane 2: Myeloma cells; Lane 3: Mouse brain.

ADDITIONAL INFORMATION

Related Product Information for anti-ANAPC7 antibody

Function: Component of the anaphase promoting complex/cyclosome (APC/C), a cell cycle-regulated E3 ubiquitin ligase that controls progression through mitosis and the G1 phase of the cell cycle. The APC/C complex acts by mediating ubiquitination and subsequent degradation of target proteins: it mainly mediates the formation of 'Lys-11'-linked polyubiquitin chains and, to a lower extent, the formation of 'Lys-48'- and 'Lys-63'-linked polyubiquitin chains.

Subunit Structure: V-shaped homodimer. The mammalian APC/C is composed at least of 14 distinct subunits ANAPC1, ANAPC2, CDC27/APC3, ANAPC4, ANAPC5, CDC16/APC6, ANAPC7, CDC23/APC8, ANAPC10, ANAPC11, CDC26/APC12, ANAPC13, ANAPC15 and ANAPC16 that assemble into a complex of at least 19 chains with a combined molecular mass of around 1.2 MDa; APC/C interacts with FZR1 and FBXO5 (PubMed:25043029, PubMed:26083744).

Similarity: Belongs to the APC7 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	212549736
NCBI GeneID	51434
NCBI Accession #	NP_057322
NCBI GenBank Nucleotide #	NP_057322.2
UniProt Accession #	Q9UJX3
Molecular Weight	Observed Molecular Weight: (Observed)66kD. Predicted Molecular Weight: (Calculated)67kDa.
NCBI Official Full Name	anaphase-promoting complex subunit 7 isoform a
NCBI Official Synonym Full Names	anaphase promoting complex subunit 7
NCBI Official Symbol	ANAPC7
NCBI Official Synonym Symbols	APC7
NCBI Protein Information	anaphase-promoting complex subunit 7
UniProt Protein Name	Anaphase-promoting complex subunit 7
UniProt Gene Name	ANAPC7
UniProt Synonym Gene Names	APC7; APC7
UniProt Entry Name	APC7_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/apc7-antibody-elisa/329036>