

## Rabbit anti-Human, Mouse APC8 Polyclonal Antibody | anti-APC8 antibody

APC8 Antibody

| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                                                 |
|-----------|--------|--------------|--------------------------------------------------------------|
| AAA327561 | Rabbit | Human, Mouse | ELISA, Immunocytochemistry, Immunofluorescence, Western Blot |

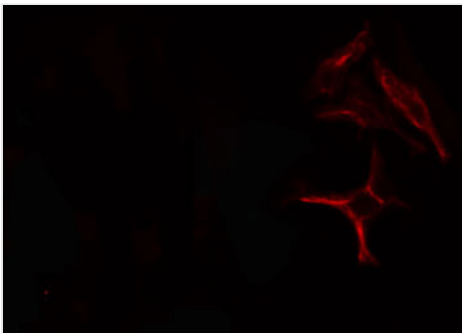
### PRODUCT SYNONYMS

APC8; Polyclonal Antibody; APC8 Antibody; ANAPC8; Anaphase promoting complex subunit 8; Anaphase-promoting complex subunit 8; Apc 8; Cdc 23; CDC23; CDC23\_HUMAN; cell division cycle 23; Cell division cycle 23 homolog; Cell division cycle protein 23; Cell division cycle protein 23 homolog; Cut23; Cyclosome subunit 8; anti-APC8 antibody

### PRODUCT SPECIFICATIONS

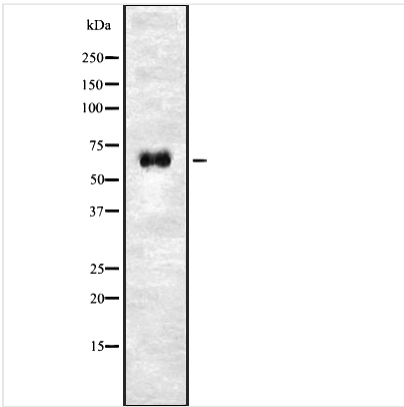
|                                                |                                                                                                                                   |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                            |
| Reactivity                                     | Human, Mouse                                                                                                                      |
| Clonality                                      | Polyclonal                                                                                                                        |
| Isotype                                        | IgG                                                                                                                               |
| Specificity                                    | APC8 antibody detects endogenous levels of total APC8                                                                             |
| Purity/Purification                            | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.                                     |
| Form/Format                                    | Liquid<br>Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                     |
| Concentration                                  | 1mg/ml (varies by lot)                                                                                                            |
| Sequence Length                                | 597                                                                                                                               |
| Applicable Applications for anti-APC8 antibody | ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)                                                      |
| Immunogen                                      | A synthesized peptide derived from human APC8                                                                                     |
| Predicted Cross Reactivity                     | <b>Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus</b>                                                        |
| Similarity                                     | Pig (100%), Zebrafish (88%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (100%) |
| Conjugation                                    | Unconjugated                                                                                                                      |
| Preparation and Storage                        | Store at -20 degree C. Stable for 12 months from date of receipt.                                                                 |

IMAGES



IF (Immunofluorescence)

AAA327561 staining 293 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 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis of APC8 using HuvEc whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-APC8 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: The mammalian APC/C is composed of 14 distinct subunits that assemble into a complex of at least 19 chains with a combined molecular mass of around 1.2 MDa. Post-translational Modifications: Phosphorylated. Phosphorylation on Thr-562 occurs specifically during mitosis. Similarity: Belongs to the APC8/CDC23 family.

NCBI AND UNIPROT INFORMATION

|                                  |                                                                |
|----------------------------------|----------------------------------------------------------------|
| NCBI GI #                        | 118402596                                                      |
| NCBI GeneID                      | 8697                                                           |
| NCBI Accession #                 | NP_004652.2                                                    |
| NCBI GenBank Nucleotide #        | NM_004661.3                                                    |
| UniProt Accession #              | Q9UJX2; O75433; Q53FN2; Q9BS73; A8K6E5; B4E3A2; B7WP05; D3DQB7 |
| Molecular Weight                 | Observed: 68 kDa<br>Predicted: 69 kDa                          |
| NCBI Official Full Name          | cell division cycle protein 23 homolog                         |
| NCBI Official Synonym Full Names | cell division cycle 23                                         |
| NCBI Official Symbol             | CDC23                                                          |
| NCBI Official Synonym Symbols    | APC8; CUT23; ANAPC8                                            |
| NCBI Protein Information         | cell division cycle protein 23 homolog                         |
| UniProt Protein Name             | Cell division cycle protein 23 homolog                         |
| UniProt Gene Name                | CDC23                                                          |
| UniProt Synonym Gene Names       | ANAPC8; APC8                                                   |

**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.

