

APC5 Polyclonal Antibody

Catalog No: YT0262

Reactivity: Human; Rat; Mouse;

Applications: WB;ELISA

Target: APC5

Fields: >>Cell cycle;>>Oocyte meiosis;>>Ubiquitin mediated proteolysis;>>IL-17

signaling pathway;>>Progesterone-mediated oocyte maturation;>>Human T-cell

leukemia virus 1 infection

Gene Name: ANAPC5

Protein Name: Anaphase-promoting complex subunit 5

Q8BTZ4

Human Gene Id: 51433

Human Swiss Prot Q9UJX4

No:

Mouse Swiss Prot

No:

Immunogen: The antiserum was produced against synthesized peptide derived from human

ANAPC5. AA range:151-200

Specificity: APC5 Polyclonal Antibody detects endogenous levels of APC5 protein.

Formulation : Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

Dilution: WB 1:500 - 1:2000. ELISA: 1:5000. Not yet tested in other applications.

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

1/3



Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 85kD

Cell Pathway: Cell_Cycle_G1S;Cell_Cycle_G2M_DNA;Oocyte meiosis;Ubiquitin mediated

proteolysis; Progesterone-mediated oocyte maturation;

Background: This gene encodes a tetratricopeptide repeat-containing component of the

anaphase promoting complex/cyclosome (APC/C), a large E3 ubiquitin ligase that controls cell cycle progression by targeting a number of cell cycle regulators such

as B-type cyclins for 26S proteasome-mediated degradation through

ubiquitination. The encoded protein is required for the proper ubiquitination function of APC/C and for the interaction of APC/C with transcription coactivators. It also interacts with polyA binding protein and represses internal ribosome entry site-mediated translation. Multiple transcript variants encoding different isoforms have been found for this gene. These differences cause translation initiation at a downstream AUG and result in a shorter protein (isoform b), compared to isoform

a. [provided by RefSeq, Nov 2008],

Function: function:Component of the anaphase promoting complex/cyclosome (APC/C), a

cell cycle-regulated ubiquitin ligase that controls progression through mitosis and

the G1 phase of the cell cycle.,pathway:Protein modification; protein

ubiquitination., similarity: Belongs to the APC5 family., similarity: Contains 4 TPR

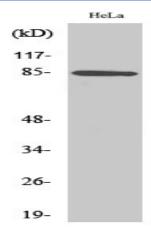
repeats., subunit: The APC/C is composed of at least 11 subunits.,

Subcellular Location:

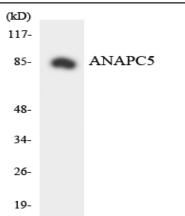
Nucleus. Cytoplasm, cytoskeleton, spindle.

Expression: Brain, Cerebellum, Cervix, Epithelium, Lung, Oesophagus, Periodontal liga

Products Images



Western Blot analysis of various cells using APC5 Polyclonal Antibody



Western blot analysis of the lysates from HeLa cells using ANAPC5 antibody.