

Product datasheet for **TA336863**

PLK5 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ICC/IF, IHC, WB
Recommended Dilution:	Immunohistochemistry: 1:40-1:200, Immunocytochemistry/ Immunofluorescence: 1:40, Western Blot: 1:1000, Immunohistochemistry-Paraffin: 1:40-1:200
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	A synthetic peptide made to an internal portion of the human PLK5 protein (between residues 200-250) [UniProt Q496M5]
Formulation:	PBS with 30% Glycerol, 0.05% Sodium Azide. Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	polo like kinase 5
Database Link:	NP_001230008 Entrez Gene 216166 Mouse Entrez Gene 126520 Human Q496M5
Background:	PLK5 (PLK5P, Polo-like kinase 5) is a polo box domain-only protein that is down-regulated in proliferating cells and accumulates in quiescent cells. PLK5 is significantly silenced in brain cancer and overexpression of PKL5 triggers apoptotic effects, both of which suggest that it may have a tumor suppressor function. PLK5 has also been theorized to be important to the proper formation of neurite processes.
Synonyms:	PLK-5; PLK5P; Sgk384ps

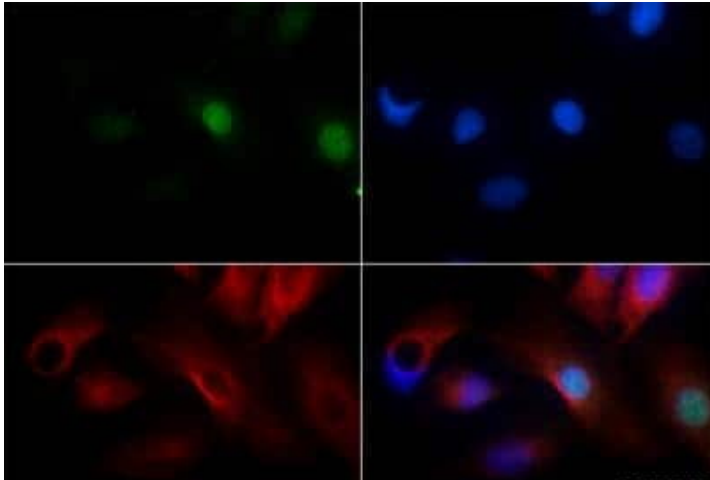


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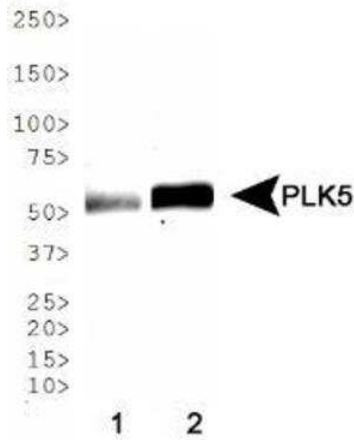
Note: This PLK5 antibody is useful for Western Blot, Immunocytochemistry/Immunofluorescence, and IHC-paraffin embedded sections. In Western Blot, a band is seen ~50 kDa in human brain lysate and ~66 kDa in mouse brain lysate. Molecular weight of PLK5 differs between human and mouse species. In ICC/IF, nuclear staining was observed in HepG2 cells. In IHC-P, nuclear and cytoplasmic staining was seen in mouse salivary gland tissue. Prior to immunostaining paraffin tissues, antigen retrieval with sodium citrate buffer (pH 6.0) is recommended.

Protein Families: Druggable Genome

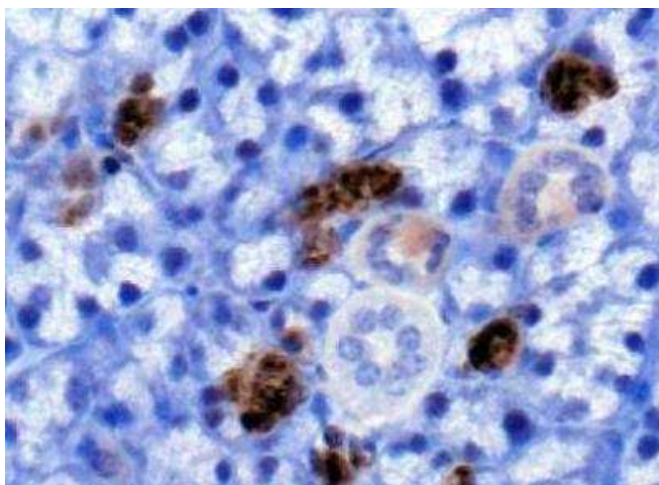
Product images:



Immunocytochemistry/Immunofluorescence: PLK5 Antibody TA336863 - PLK5 antibody was tested in HepG2 cells with FITC (green). Nuclei and alpha-tubulin were counterstained with DAPI (blue) and Dylight 550 (red).



Western Blot: PLK5 Antibody TA336863 - WB analysis of PLK5 in 1. human brain lysate and 2. mouse brain lysate. Molecular weight of PLK5 differs between human and mouse species.



Immunohistochemistry: PLK5 Antibody TA336863
- IHC analysis of PLK5 in mouse salivary gland
using DAB with hematoxylin counterstain.