

Anti-PDZD2 Antibody

Catalog # AP54021

Product Information

Application	WB, IHC, IF/IC
Primary Accession	O15018
Reactivity	Human, Mouse, Rat, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	301641

Additional Information

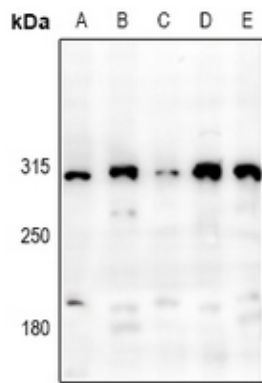
Gene ID	23037
Other Names	AIPC; KIAA0300; PDZK3; PDZ domain-containing protein 2; Activated in prostate cancer protein; PDZ domain-containing protein 3
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human PDZD2. The exact sequence is proprietary.
Dilution	WB~~1/500 - 1/1000 IHC~~1/50 - 1/200 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

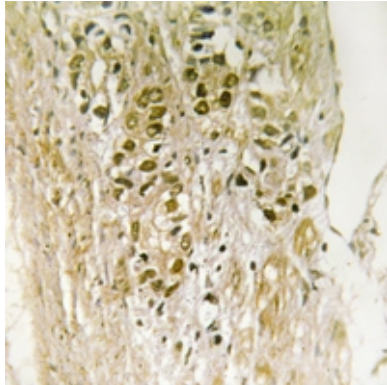
Name	PDZD2
Synonyms	AIPC, KIAA0300, PDZK3
Cellular Location	Nucleus {ECO:0000250 UniProtKB:Q9QZR8}. Cytoplasm. Endoplasmic reticulum. Note=At cell-cell contacts in lung epithelial cells. {ECO:0000250 UniProtKB:Q9QZR8}
Tissue Location	Isoform 2 is expressed (at protein level) in prostate and many prostate tumors.

Images

Western blot analysis of PDZD2 expression in PC3 (A),



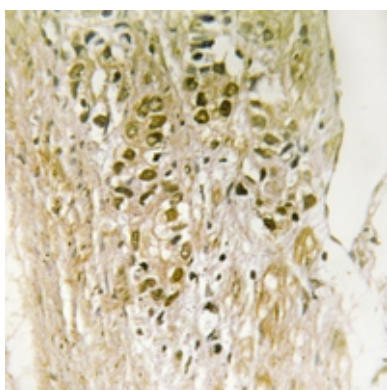
Hela (B), SGC7901 (C), CT26 (D), H9C2 (E) whole cell lysates. (Predicted band size: 301 kD; Observed band size: 302 kD)



Immunohistochemical analysis of PDZD2 staining in human heart formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of PDZD2 staining in HepG2 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a Alexa Fluor 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.



Immunohistochemical analysis of PDZD2 staining in human heart formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.