

Anti-DZIP3 Antibody

Catalog # AP53908

Product Information

Application	WB, IHC, IF/IC
Primary Accession	Q86Y13
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	138604

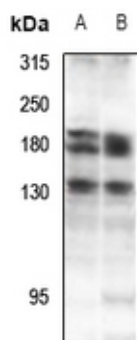
Additional Information

Gene ID	9666
Other Names	KIAA0675; E3 ubiquitin-protein ligase DZIP3; DAZ-interacting protein 3; RNA-binding ubiquitin ligase of 138 kDa; hRUL138
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human DZIP3. 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

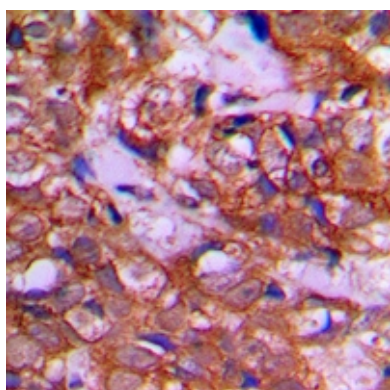
Protein Information

Name	DZIP3
Synonyms	KIAA0675
Function	E3 Ubiquitin ligase proteins mediate ubiquitination and subsequent proteasomal degradation of target proteins. E3 ubiquitin ligases accept ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfers the ubiquitin to targeted substrates. Able to specifically bind RNA.
Cellular Location	Cytoplasm.
Tissue Location	Widely expressed at low level. Highly expressed in skeletal muscle, kidney and heart. Expressed at low level in placenta, lung, brain, liver and pancreas.

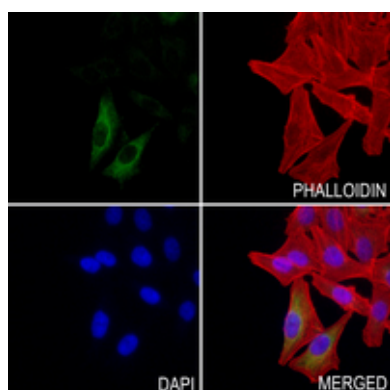
Images



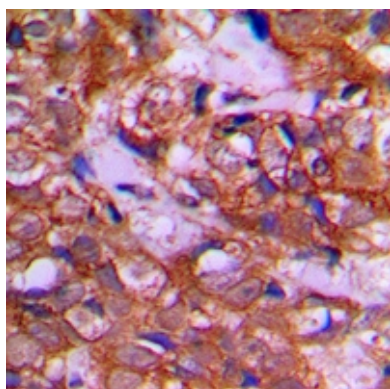
Western blot analysis of DZIP3 expression in HEK293T (A), LO2 (B) whole cell lysates. (Predicted band size: 138 kD; Observed band size: 180; 139 kD)



Immunohistochemical analysis of DZIP3 staining in human prostate cancer 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 DZIP3 staining in MCF7 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 AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).



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