

Anti-A-RAF (Phospho-Y302) Antibody

Catalog # AP51636

Product Information

Application	WB, IHC, IF/IC
Primary Accession	P10398
Reactivity	Human, Mouse, Rat, Pig, Bovine, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	67585

Additional Information

Gene ID	369
Other Names	ARAF1; PKS; PKS2; Serine/threonine-protein kinase A-Raf; Proto-oncogene A-Raf; Proto-oncogene A-Raf-1; Proto-oncogene Pks
Target/Specificity	KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding Y302 of human A-RAF protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 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

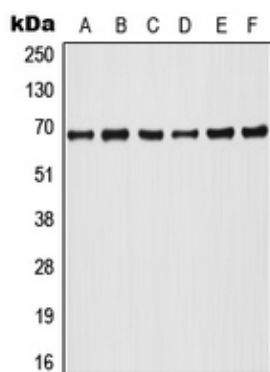
Protein Information

Name	ARAF
Synonyms	ARAF1, PKS, PKS2
Function	Involved in the transduction of mitogenic signals from the cell membrane to the nucleus. May also regulate the TOR signaling cascade. Phosphorylates PFKFB2 (PubMed: 36402789).
Tissue Location	Predominantly in urogenital tissues.

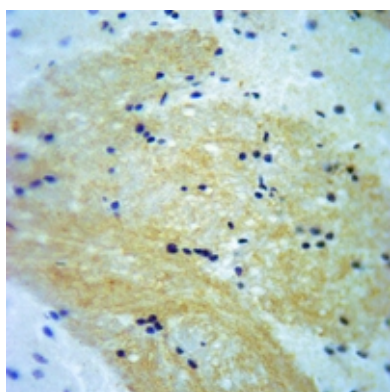
References

Beck T.W.,et al.Nucleic Acids Res. 15:595-609(1987).
Lee J.-E.,et al.Genomics 20:43-55(1994).
Yokoyama T.,et al.J. Cell Biol. 177:781-793(2007).

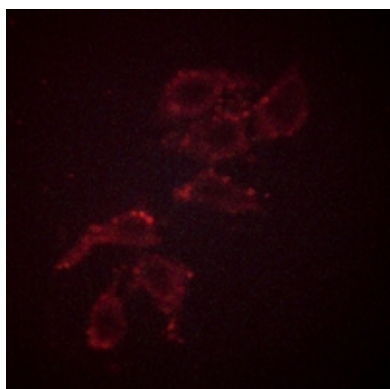
Images



Western blot analysis of A-RAF (Phospho-Y302) expression in HeLa PMA-treated (A), Raji (B), HT29 (C), NIH3T3 (D), SP2/0 PMA-treated (E), PC12 PMA-treated (F) whole cell lysates. (Predicted band size: 67 kD; Observed band size: 68 kD)



Immunohistochemical analysis of A-RAF (Phospho-Y302) staining in human breast 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 A-RAF (Phospho-Y302) 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 AF594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

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