

**ARHGEF10 Polyclonal Antibody**

<b>Catalog No :</b>	YT0321
<b>Reactivity :</b>	Human;Monkey
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	ARHGEF10
<b>Gene Name :</b>	ARHGEF10
<b>Protein Name :</b>	Rho guanine nucleotide exchange factor 10
<b>Human Gene Id :</b>	9639
<b>Human Swiss Prot No :</b>	O15013
<b>Mouse Swiss Prot No :</b>	Q8C033
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human ARHGEF10. AA range:339-388
<b>Specificity :</b>	ARHGEF10 Polyclonal Antibody detects endogenous levels of ARHGEF10 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:20000.. IF 1:50-200
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	152kD

**Cell Pathway :** Regulation of Actin Dynamics; AMPK

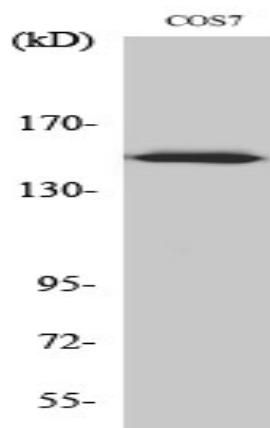
**Background :** This gene encodes a Rho guanine nucleotide exchange factor (GEF). Rho GEFs regulate the activity of small Rho GTPases by stimulating the exchange of guanine diphosphate (GDP) for guanine triphosphate (GTP) and may play a role in neural morphogenesis. Mutations in this gene are associated with slowed nerve conduction velocity (SNCV). Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2015],

**Function :** disease:Defects in ARHGEF10 are the cause of slowed nerve conduction velocity (SNCV) [MIM:608236]. Affected individuals present a reduction in nerve conduction velocities without any clinical signs of peripheral or central nervous system dysfunction. SNCV inheritance is autosomal dominant.,function:May play a role in developmental myelination of peripheral nerves.,sequence caution:Cloning artifact.,sequence caution:Translated as Lys.,similarity:Contains 1 DH (DBL-homology) domain.,

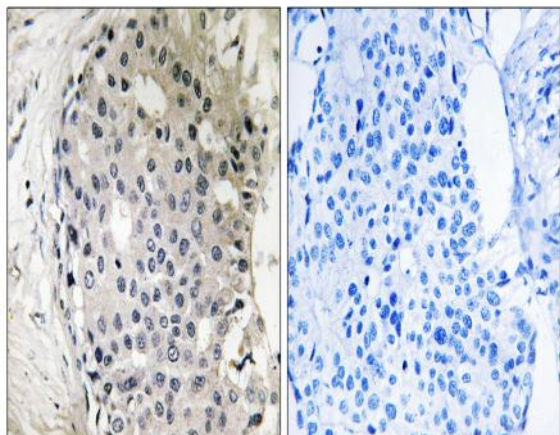
**Subcellular Location :** centrosome,cytosol,

**Expression :** Amygdala,Brain,Duodenum,Prostate,Testis,Uterus,

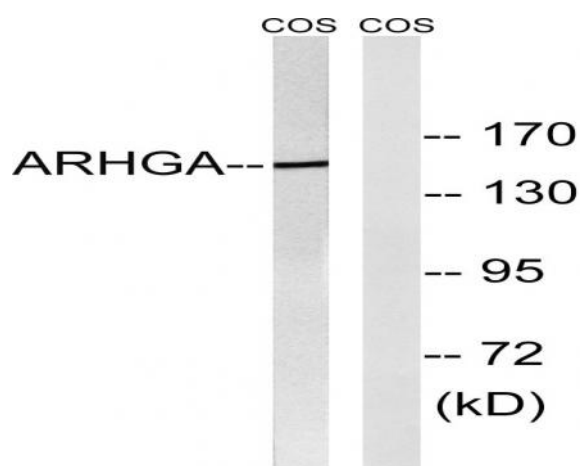
## Products Images



Western Blot analysis of various cells using ARHGEF10 Polyclonal Antibody



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using ARHGEF10 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from COS7 cells, using ARHGEF10 Antibody. The lane on the right is blocked with the synthesized peptide.