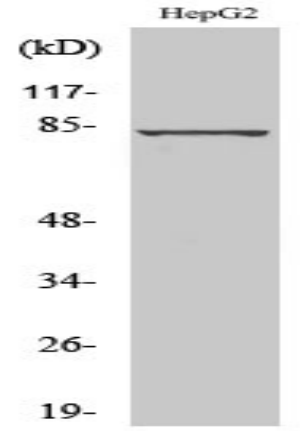
Immunoway
Best Tools for immunology Research

GRK 3 Polyclonal Antibody

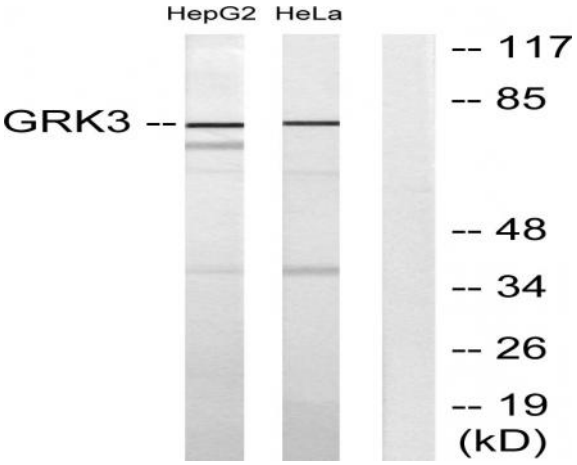
Catalog No :	YT2068
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	GRK 3
Fields :	>>Chemokine signaling pathway;>>Endocytosis;>>Hedgehog signaling pathway;>>Glutamatergic synapse;>>Olfactory transduction;>>Morphine addiction
Gene Name :	ADRBK2
Protein Name :	Beta-adrenergic receptor kinase 2
Human Gene Id :	157
Human Swiss Prot No :	P35626
Mouse Gene Id :	320129
Mouse Swiss Prot No :	Q3UYH7
Rat Gene Id :	25372
Rat Swiss Prot No :	P26819
Immunogen :	The antiserum was produced against synthesized peptide derived from human GRK3. AA range:361-410
Specificity :	GRK 3 Polyclonal Antibody detects endogenous levels of GRK 3 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:20000.. IF 1:50-200

Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	80kD
Cell Pathway :	Chemokine;Endocytosis;Olfactory transduction;
Background :	The beta-adrenergic receptor kinase specifically phosphorylates the agonist-occupied form of the beta-adrenergic and related G protein-coupled receptors. Overall, the beta adrenergic receptor kinase 2 has 85% amino acid similarity with beta adrenergic receptor kinase 1, with the protein kinase catalytic domain having 95% similarity. These data suggest the existence of a family of receptor kinases which may serve broadly to regulate receptor function. [provided by RefSeq, Jul 2008],
Function :	catalytic activity:ATP + [beta-adrenergic receptor] = ADP + [beta-adrenergic receptor] phosphate.,function:Specifically phosphorylates the agonist-occupied form of the beta-adrenergic and closely related receptors.,similarity:Belongs to the protein kinase superfamily.,similarity:Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family. GPRK subfamily.,similarity:Contains 1 AGC-kinase C-terminal domain.,similarity:Contains 1 PH domain.,similarity:Contains 1 protein kinase domain.,similarity:Contains 1 RGS domain.,
Subcellular Location :	Cell junction, synapse, postsynapse . Cell junction, synapse, presynapse .
Expression :	Brain,Ovary,
Sort :	7126
No4 :	1
Host :	Rabbit
Modifications :	Unmodified

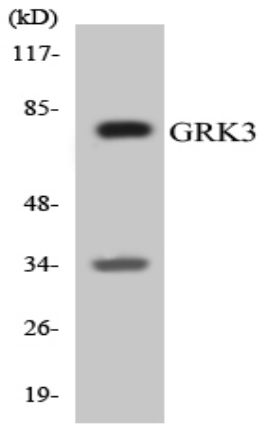
Products Images



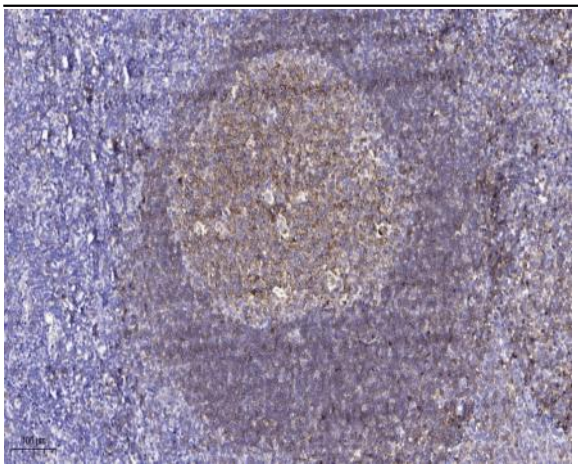
Western Blot analysis of various cells using GRK 3 Polyclonal Antibody diluted at 1:500



Western blot analysis of lysates from HepG2 and HeLa cells, using GRK3 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from K562 cells using GRK3 antibody.



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).