

AVPR1A Polyclonal Antibody

Catalog No :	YT6097
Reactivity :	Human;Mouse
Applications :	WB;ELISA
Target :	AVPR1A
Fields :	>>Calcium signaling pathway;>>Phospholipase D signaling pathway;>>Neuroactive ligand-receptor interaction;>>Vascular smooth muscle contraction
Gene Name :	AVPR1A
Protein Name :	AVPR1A
Human Gene Id :	552
Human Swiss Prot No :	P37288
Mouse Gene Id :	54140
Mouse Swiss Prot No :	Q62463
Immunogen :	Synthesized peptide derived from human AVPR1A. at AA range: 11-60
Specificity :	AVPR1A Polyclonal Antibody detects endogenous levels of AVPR1A
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000, ELISA 1:10000-20000
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 : 55kD

Cell Pathway : Calcium;Neuroactive ligand-receptor interaction;Vascular smooth muscle contraction;

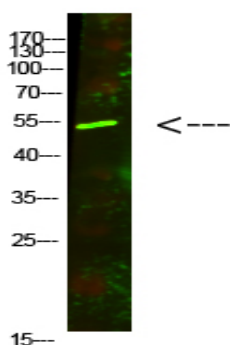
Background : The protein encoded by this gene acts as receptor for arginine vasopressin. This receptor belongs to the subfamily of G-protein coupled receptors which includes AVPR1B, V2R and OXT receptors. Its activity is mediated by G proteins which stimulate a phosphatidylinositol-calcium second messenger system. The receptor mediates cell contraction and proliferation, platelet aggregation, release of coagulation factor and glycogenolysis. [provided by RefSeq, Jul 2008],

Function : function:Receptor for arginine vasopressin. The activity of this receptor is mediated by G proteins which activate a phosphatidyl-inositol-calcium second messenger system. Has been involved in social behaviors, including affiliation and attachment.,miscellaneous:Differences in regional receptor expression in the brain as well as differences in social behavior may result from a highly variable repetitive sequence in the 5' flanking region of AVPR1A. One such allelic variant has been linked to autism.,similarity:Belongs to the G-protein coupled receptor 1 family.,

Subcellular Location : Cell membrane; Multi-pass membrane protein.

Expression : Liver,Lung,

Products Images



Western Blot analysis of mouse-lung cells using primary antibody diluted at 1:500(4°C overnight). Secondary antibody:Goat Anti-rabbit IgG IRDye 800(diluted at 1:5000, 25°C, 1 hour)