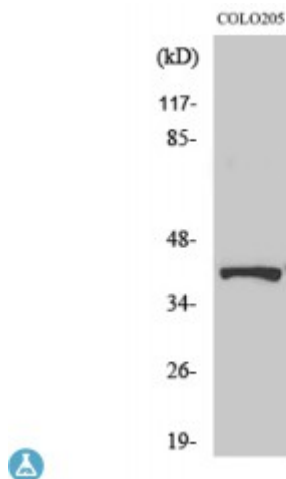


Anti-Renin Receptor antibody



Description	Rabbit polyclonal to Renin Receptor.
Model	STJ95413
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, IF, IHC, WB
Immunogen	Synthesized peptide derived from human Renin Receptor
Immunogen Region	140-220 aa, Internal
Gene ID	10159
Gene Symbol	ATP6AP2
Dilution range	WB 1:500-1:2000IHC 1:100-1:300IF 1:200-1:1000ELISA 1:20000
Specificity	Renin Receptor Polyclonal Antibody detects endogenous levels of Renin Receptor protein.
Tissue Specificity	Expressed in brain, heart, placenta, liver, kidney and pancreas. Barely detectable in lung and skeletal muscles. In the kidney cortex it is restricted to the mesangium of glomeruli. In the coronary and kidney artery it is expressed in the subendothelium, associated to smooth muscles where it colocalizes with REN. Expressed in vascular structures and by syncytiotrophoblast cells in the mature fetal placenta.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).

Protein Name	Renin receptor ATPase H +-transporting lysosomal accessory protein 2 ATPase H +-transporting lysosomal-interacting protein 2 ER-localized type I transmembrane adaptor Embryonic liver differentiation factor 10 N14F
Molecular Weight	39 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:18305 OMIM:300423
Alternative Names	Renin receptor ATPase H +-transporting lysosomal accessory protein 2 ATPase H +-transporting lysosomal-interacting protein 2 ER-localized type I transmembrane adaptor Embryonic liver differentiation factor 10 N14F
Function	Functions as a renin and prorenin cellular receptor. May mediate renin-dependent cellular responses by activating ERK1 and ERK2. By increasing the catalytic efficiency of renin in AGT/angiotensinogen conversion to angiotensin I, it may also play a role in the renin-angiotensin system (RAS).
Cellular Localization	Membrane
Post-translational Modifications	Phosphorylated.

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