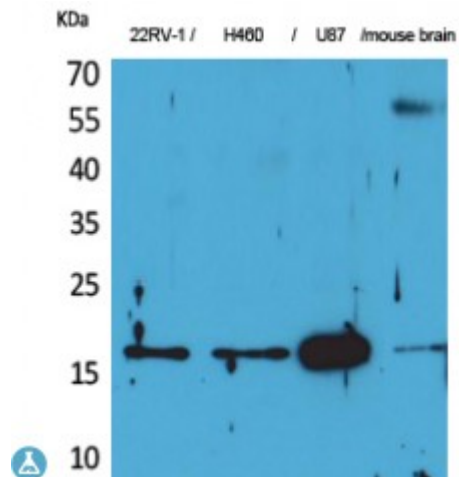


Anti-Apelin antibody



Description	Rabbit polyclonal to Apelin.
Model	STJ96528
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, IHC, WB
Immunogen	Synthesized peptide derived from human Apelin.
Immunogen Region	23-72 aa, C-terminal
Gene ID	8862
Gene Symbol	APLN
Dilution range	WB 1:500-1:2000IHC-P 1:100-300ELISA 1:20000
Specificity	Apelin Polyclonal Antibody detects endogenous levels of Apelin protein.
Tissue Specificity	Expressed in the brain with highest levels in the frontal cortex, thalamus, hypothalamus and midbrain. Secreted by the mammary gland into the colostrum and the milk.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Apelin APJ endogenous ligand Apelin-36 Apelin-31 Apelin-28 Apelin-13
Molecular Weight	16 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:16665OMIM:300297
Alternative Names	Apelin APJ endogenous ligand Apelin-36 Apelin-31 Apelin-28 Apelin-13
Function	Endogenous ligand for APJ, an alternative coreceptor with CD4 for HIV-1 infection. Inhibits HIV-1 entry in cells coexpressing CD4 and APJ. Apelin-36 has a greater inhibitory activity on HIV infection than other synthetic apelin derivatives. The oral intake in the colostrum and the milk could have a role in the modulation of the immune responses in neonates. May also have a role in the central control of body fluid homeostasis by influencing AVP release and drinking behavior.
Cellular Localization	Secreted.
Post-translational Modifications	Several active peptides may be produced by proteolytic processing of the peptide precursor.

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