

Anti-PCBP2 antibody



Description	Unconjugated Rabbit polyclonal to PCBP2
Model	STJ190223
Host	Rabbit
Reactivity	Human, Mouse
Applications	ELISA, WB
Immunogen	Synthesized peptide derived from human PCBP2 protein.
Immunogen Region	30-110aa
Gene ID	5094
Gene Symbol	PCBP2
Dilution range	WB 1:500-2000 ELISA 1:5000-20000
Specificity	PCBP2 Polyclonal Antibody detects endogenous levels of protein.
Tissue Specificity	Detected in all tissues examined.
Purification	PCBP2 antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Poly rC-binding protein 2 Alpha-CP2 Heterogeneous nuclear ribonucleoprotein E2 hnRNP E2
Molecular Weight	40 kDa
Clonality	Polyclonal

Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid form in PBS containing 50% glycerol, and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:8648OMIM:601210
Alternative Names	Poly rC-binding protein 2 Alpha-CP2 Heterogeneous nuclear ribonucleoprotein E2 hnRNP E2
Function	Single-stranded nucleic acid binding protein that binds preferentially to oligo dC. Major cellular poly(rC)-binding protein. Binds also poly(rU). Negatively regulates cellular antiviral responses mediated by MAVS signaling . It acts as an adapter between MAVS and the E3 ubiquitin ligase ITCH, therefore triggering MAVS ubiquitination and degradation . (Microbial infection) In case of infection by poliovirus, binds to the viral internal ribosome entry site (IRES) and stimulates the IRES-mediated translation . Also plays a role in initiation of viral RNA replication in concert with the viral protein 3CD .
Sequence and Domain Family	The KH domains mediates poly(C) binding.
Cellular Localization	Nucleus Cytoplasm. Loosely bound in the nucleus. May shuttle between the nucleus and the cytoplasm.
Post-translational Modifications	Phosphorylated. The non-phosphorylated form(s) exhibited the strongest poly(rC)-binding activity.; (Microbial infection) Proteolytically cleaved by picornavirus proteinase 3CD.