

HNRNP-E2 / PCBP2 Antibody (clone 5F12)
Mouse Monoclonal Antibody
Catalog # ALS13373**Specification****HNRNP-E2 / PCBP2 Antibody (clone 5F12) - Product Information**

Application	WB, IHC-P, IF, E, RNAi
Primary Accession	Q15366
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	39kDa KDa
Dilution	WB~~1:1000 IHC-P~~N/A IF~~1:50~200 E~~N/A RNAi~~N/A

HNRNP-E2 / PCBP2 Antibody (clone 5F12) - Additional Information**Gene ID** 5094**Other Names**

Poly(rC)-binding protein 2, Alpha-CP2, Heterogeneous nuclear ribonucleoprotein E2, hnRNP E2, PCBP2

Reconstitution & Storage

Store at -20°C. Aliquot to avoid freeze/thaw cycles.

Precautions

HNRNP-E2 / PCBP2 Antibody (clone 5F12) is for research use only and not for use in diagnostic or therapeutic procedures.

HNRNP-E2 / PCBP2 Antibody (clone 5F12) - Protein Information**Name** PCBP2 {ECO:0000303|PubMed:7607214, ECO:0000312|HGNC:HGNC:8648}**Function**

Single-stranded nucleic acid binding protein that binds preferentially to oligo dC (PubMed:12414943, PubMed:7607214). Major cellular poly(rC)-binding protein (PubMed:12414943). Also binds poly(rU) (PubMed:12414943). Acts as a negative regulator of antiviral signaling (PubMed:19881509, PubMed:35322803). Negatively regulates cellular antiviral responses mediated by MAVS signaling (PubMed:35322803).

[19881509](http://www.uniprot.org/citations/19881509)). It acts as an adapter between MAVS and the E3 ubiquitin ligase ITCH, therefore triggering MAVS ubiquitination and degradation (PubMed:[19881509](http://www.uniprot.org/citations/19881509)). Negatively regulates the cGAS-STING pathway via interaction with CGAS, preventing the formation of liquid-like droplets in which CGAS is activated (PubMed:[35322803](http://www.uniprot.org/citations/35322803)). Together with PCBP1, required for erythropoiesis, possibly by regulating mRNA splicing (By similarity).

Cellular Location

Nucleus. Cytoplasm. Note=Loosely bound in the nucleus (PubMed:7607214). May shuttle between the nucleus and the cytoplasm (PubMed:7607214).

Tissue Location

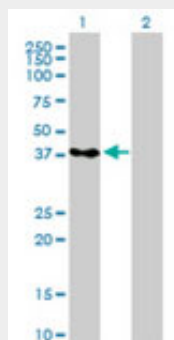
Detected in all tissues examined.

HNRNP-E2 / PCBP2 Antibody (clone 5F12) - Protocols

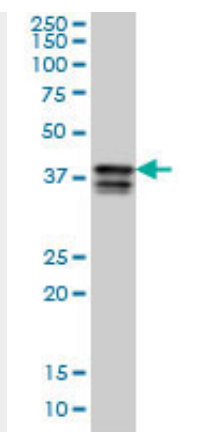
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

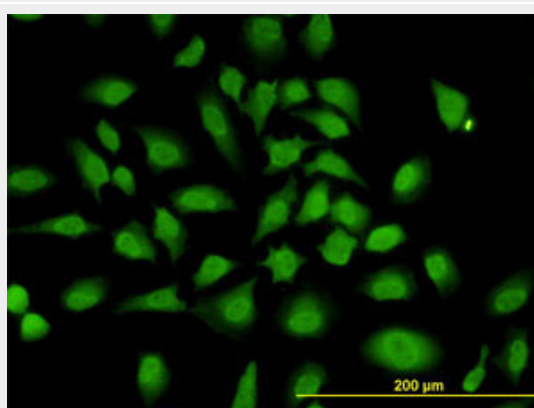
HNRNP-E2 / PCBP2 Antibody (clone 5F12) - Images



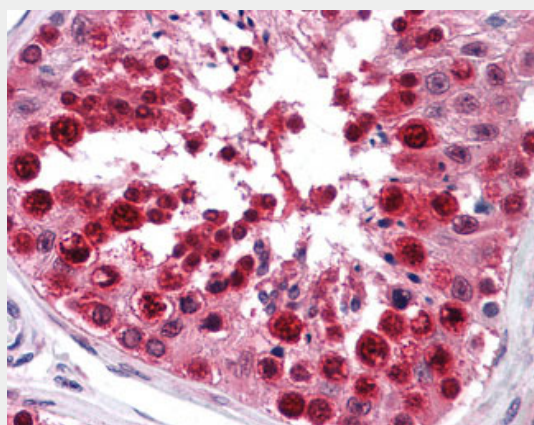
Western blot of PCBP2 expression in transfected 293T cell line by PCBP2 monoclonal antibody...



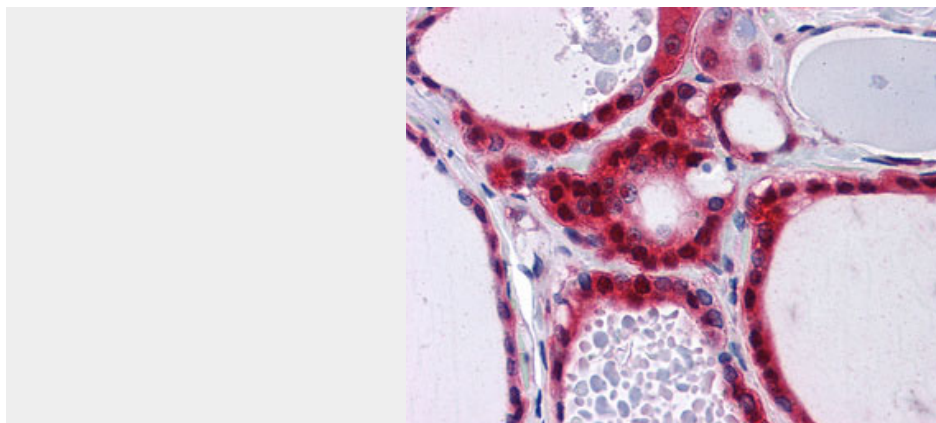
PCBP2 monoclonal antibody clone 5F12 Western blot of PCBP2 expression in K-562.



Immunofluorescence of monoclonal antibody to PCBP2 on HeLa cell (antibody concentration 10 ug/ml).



Anti-PCBP2 antibody IHC of human testis.



Anti-PCBP2 antibody IHC of human thyroid.

HNRNP-E2 / PCBP2 Antibody (clone 5F12) - Background

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.

HNRNP-E2 / PCBP2 Antibody (clone 5F12) - References

Leffers H., et al. Eur. J. Biochem. 230:447-453(1995).
Sugiyama A., et al. Submitted (AUG-2004) to the EMBL/GenBank/DDBJ databases.
Ota T., et al. Nat. Genet. 36:40-45(2004).
Totoki Y., et al. Submitted (MAR-2005) to the EMBL/GenBank/DDBJ databases.
Scherer S.E., et al. Nature 440:346-351(2006).