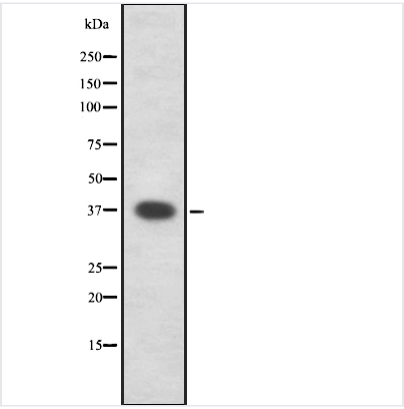
hnRNP E1 Antibody

PRODUCT OVERVIEW

Product Name	hnRNP E1, Antibody
Full Product Name	hnRNP E1 Antibody
Product Gene Name	anti-hnRNP E1 antibody
Molecular Weight	37,498 Da
OMIM	601209
3D Structure	ModBase 3D Structure for Q15365
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for anti-hnRNP E1 antibody	MBS8517842 is an antibody targeting hnRNP E1. Also known as hnRNP E1 Antibody.
Other Notes	Small volumes of anti-hnRNP E1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-hnRNP E1 antibody
Western blot analysis hnRNP E1 using Jurkat whole cell lysates

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for hnRNP E1. It may not necessarily be applicable to this product.

NCBI GI #	222352151
NCBI GeneID	5093
NCBI Accession #	NP_006187.2
UniProt Primary Accession #	Q15365
UniProt Secondary Accession #	Q13157; Q14975
UniProt Related Accession #	Q15365
GenBank Nucleotide #	NM_006196.3
NCBI Official Full Name	poly(rC)-binding protein 1

NCBI Official Synonym Full Names	poly(rC) binding protein 1
NCBI Official Symbol	PCBP1
NCBI Official Synonym Symbols	HNRPX; HNRPE1; hnRNP-X; HEL-S-85; hnRNP-E1
UniProt Protein Name	Poly(rC)-binding protein 1
UniProt Synonym Protein Names	Alpha-CP1; Heterogeneous nuclear ribonucleoprotein E1; hnRNP E1; Nucleic acid-binding protein SUB2.3
UniProt Gene Name	PCBP1
UniProt Synonym Gene Names	hnRNP E1
NCBI Protein Information	poly(rC)-binding protein 1
NCBI Summary for hnRNP E1	This intronless gene is thought to have been generated by retrotransposition of a fully processed PCBP-2 mRNA. This gene and PCBP-2 have paralogues (PCBP3 and PCBP4) which are thought to have arisen as a result of duplication events of entire genes. The protein encoded by this gene appears to be multifunctional. It along with PCBP-2 and hnRNPK corresponds to the major cellular poly(rC)-binding protein. It contains three K-homologous (KH) domains which may be involved in RNA binding. This encoded protein together with PCBP-2 also functions as translational coactivators of poliovirus RNA via a sequence-specific interaction with stem-loop IV of the IRES and promote poliovirus RNA replication by binding to its 5'-terminal cloverleaf structure. It has also been implicated in translational control of the 15-lipoxygenase mRNA, human Papillomavirus type 16 L2 mRNA, and hepatitis A virus RNA. The encoded protein is also suggested to play a part in formation of a sequence-specific alpha-globin mRNP complex which is associated with alpha-globin mRNA stability. [provided by RefSeq, Jul 2008]
UniProt Comments for hnRNP E1	Single-stranded nucleic acid binding protein that binds preferentially to oligo dC. In case of infection by poliovirus, plays a role in initiation of viral RNA replication in concert with the viral protein 3CD (PubMed:12414943).
Research Articles on hnRNP E1	**1.** Study report a novel interaction between mutant HSPB1-P182L and the RNA binding protein PCBP1, leading to a reduction in its translational repression activity. Identifying PCBP1 mRNA targets revealed a marked prevalence for an RNA recognition motif, preferably seen in their 5' and 3'UTRs. Findings further support a role for mutant HSPB1 in neurodegenerative diseases.
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