TRA2A Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TRA2A, Polyclonal Antibody
Full Product Name	TRA2A, ID (TRA2A, Transformer-2 protein homolog alpha, Transformer-2 protein homolog A) (MaxLight 650)
Product Gene Name	anti-TRA2A antibody
Product Synonym Names	TRA2A; Transformer-2 protein homolog alpha; Transformer-2 protein homolog A
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight650.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight650 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	32,689 Da
Chromosome Location	Chromosome: 7; NC_000007.13 (23544399..23571656, complement). Location: 7p15.3
OMIM	602718
3D Structure	ModBase 3D Structure for Q13595
Immunogen	TRA2A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 152-182 amino acids from the Central region of human TRA2A.
Conjugate	MaxLight650
Note	Preservative Free
Product Categories/Family for anti-TRA2A antibody	Antibodies; RNA Binding Proteins
Applications Tested/Suitable for anti-TRA2A antibody	Western Blot (WB), FLISA
Application Notes for anti-TRA2A antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-TRA2A antibody	This gene is a member of the transformer 2 homolog family and encodes a protein with two RS domains and an RRM (RNA recognition motif) domain. This phosphorylated nuclear protein binds to specific RNA sequences and plays a role in the regulation of pre-mRNA splicing. Several alternatively spliced transcript variants of this gene have been described; however, the full-length nature of some of these variants has not been determined. [provided by RefSeq].
Product References and Citations for anti-TRA2A antibody	Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007). Olsen, J.V., et al. Cell 127(3):635-648(2006). Olsen, J.V., et al. Cell 127(3):635-648(2006). Beausoleil, S.A., et al. Nat. Biotechnol. 24(10):1285-1292(2006). Gevaert, K., et al. Proteomics 5(14):3589-3599(2005).

Other Notes	Small volumes of anti-TRA2A 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.
Searchable Terms for TRA2A purchase	MBS6357810 is an antibody targeting TRA2A. Also known as TRA2A, ID (TRA2A, Transformer-2 protein homolog alpha, Transformer-2 protein homolog A) (MaxLight 650). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TRA2A. It may not necessarily be applicable to this product.

NCBI GI #	9558733
NCBI GeneID	29896
NCBI Accession #	NP_037425.1
UniProt Primary Accession #	Q13595
UniProt Related Accession #	Q13595
GenBank Nucleotide #	NM_013293.3
NCBI Official Full Name	transformer-2 protein homolog alpha
NCBI Official Synonym Full Names	transformer 2 alpha homolog (Drosophila)
NCBI Official Symbol	TRA2A
NCBI Official Synonym Symbols	AWMS1; HSU53209
UniProt Protein Name	Transformer-2 protein homolog alpha
UniProt Synonym Protein Names	Transformer-2 protein homolog A
Protein Family	Transformer-2 protein
UniProt Gene Name	TRA2A
UniProt Synonym Gene Names	TRA-2 alpha; TRA2-alpha
UniProt Entry Name	TRA2A_HUMAN
NCBI Protein Information	transformer-2 protein homolog alpha; Tra2alpha; TRA2-alpha; TRA-2 alpha; htra-2 alpha; htra-2-alpha; transformer-2 alpha; transformer-2 protein homolog A; putative MAPK activating protein PM24
NCBI Summary for TRA2A	This gene is a member of the transformer 2 homolog family and encodes a protein with two RS domains and an RRM (RNA recognition motif) domain. This phosphorylated nuclear protein binds to specific RNA sequences and plays a role in the regulation of pre-mRNA splicing. Several alternatively spliced transcript variants of this gene have been described; however, the full-length nature of some of these variants has not been determined. [provided by RefSeq, Jul 2008]
UniProt Comments for TRA2A	TRA2A: Sequence-specific RNA-binding protein which participates in the control of pre-mRNA splicing. Belongs to the splicing factor SR family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: RNA-binding; RNA splicing; RNA processing Chromosomal Location of Human Ortholog: 7p15.3 Cellular Component: intracellular membrane-bound organelle; nucleolus; nucleus Molecular Function: nucleotide binding Biological Process: nuclear mRNA splicing, via spliceosome
Research Articles on TRA2A	**1.** findings show the inclusion of both HIV-1 exon 3 and vpr mRNA processing is promoted by an exonic splicing enhancer (ESEvpr) localized between exonic splicing silencer ESSV and 5'ss D3; the ESEvpr sequence was found to be bound by members of the Tra2 protein family

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