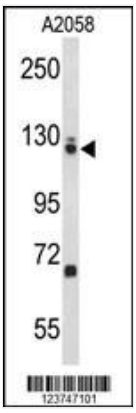
EFTUD2 Antibody – Rabbit Polyclonal

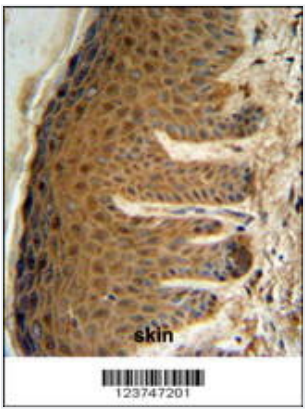
PRODUCT OVERVIEW

Product Name	EFTUD2, Polyclonal Antibody
Full Product Name	EFTUD2, ID (EFTUD2, KIAA0031, SNRP116, 116kD U5 small nuclear ribonucleoprotein component, Elongation factor Tu GTP-binding domain-containing protein 2, SNU114 homolog, U5 snRNP-specific protein, 116kD) (AP)
Product Gene Name	anti-EFTUD2 antibody
Product Synonym Names	EFTUD2; KIAA0031; SNRP116; 116kD U5 small nuclear ribonucleoprotein component; Elongation factor Tu GTP-binding domain-containing protein 2; SNU114 homolog; U5 snRNP-specific protein; 116kD
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 Alkaline Phosphatase (AP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C. 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. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	109,436 Da
Chromosome Location	Chromosome: 17; NC_000017.10 (42927655..42976993, complement). Location: 17q21.31
OMIM	603892
3D Structure	ModBase 3D Structure for Q15029
Immunogen	EFTUD2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 263~293 amino acids from the Center region of human EFTUD2.
Conjugate	AP
Note	Preservative Free
Product Categories/Family for anti-EFTUD2 antibody	Antibodies; Nuclear Proteins
Applications Tested/Suitable for anti-EFTUD2 antibody	Immunohistochemistry (IHC), ELISA (EIA), Western Blot (WB)
Application Notes for anti-EFTUD2 antibody	IHC: 1:50-100 ELISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-EFTUD2 antibody	MBS6294632 is an antibody targeting EFTUD2. Also known as EFTUD2, ID (EFTUD2, KIAA0031, SNRP116, 116kD U5 small nuclear ribonucleoprotein component, Elongation factor Tu GTP-binding domain-containing protein 2, SNU114 homolog, U5 snRNP-specific protein, 116kD) (AP). Reactive in Human. Host: Rabbit. EFTUD2 is component of the U5 snRNP complex required for pre-mRNA splicing.
Product References and Citations for anti-EFTUD2 antibody	Miele, A., et.al., J. Cell. Biochem. 102 (1), 136-148 (2007). Koch, H.B., et.al., Cell Cycle 6 (2), 205-217 (2007). Ewing, R.M., et.al., Mol. Syst. Biol. 3, 89 (2007).

Other Notes	Small volumes of anti-EFTUD2 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-EFTUD2 antibody
Western blot analysis of EFTUD2 Antibody (Center) in A2058 cell line lysates (35ug/lane). EFTUD2 (arrow) was detected using the purified Pab.



Immunohistochemistry (IHC) of anti-EFTUD2 antibody
EFTUD2 Antibody (Center) IHC analysis in formalin fixed and paraffin embedded human skin tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the EFTUD2 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for EFTUD2. It may not necessarily be applicable to this product.

NCBI GI #	217272894
NCBI GeneID	9343
NCBI Accession #	NP_001136077.1
UniProt Primary Accession #	Q15029
UniProt Secondary Accession #	Q9BUR0; B4DK30; D3DX58
UniProt Related Accession #	Q15029
GenBank Nucleotide #	NM_001142605.1
NCBI Official Full Name	116 kDa U5 small nuclear ribonucleoprotein component isoform b
NCBI Official Synonym Full Names	elongation factor Tu GTP binding domain containing 2
NCBI Official Symbol	EFTUD2
NCBI Official Synonym Symbols	MFDM; MFDGA; Snu114; Snrp116; U5-116KD
UniProt Protein Name	116 kDa U5 small nuclear ribonucleoprotein component
UniProt Synonym Protein Names	Elongation factor Tu GTP-binding domain-containing protein 2; SNU114 homolog; hSNU114; U5 snRNP-specific protein, 116 kDa
Protein Family	110 kDa U5 small nuclear ribonucleoprotein
UniProt Gene Name	EFTUD2
UniProt Synonym Gene Names	KIAA0031; SNRP116; hSNU114; U5-116 kDa
UniProt Entry Name	U5S1_HUMAN
NCBI Protein Information	116 kDa U5 small nuclear ribonucleoprotein component; hSNU114; SNU114 homolog; U5 snRNP-specific protein, 116 kDa; elongation factor Tu GTP-binding domain-containing protein 2

NCBI Summary for EFTUD2	This gene encodes a GTPase which is a component of the spliceosome complex which processes precursor mRNAs to produce mature mRNAs. Mutations in this gene are associated with mandibulofacial dysostosis with microcephaly. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2012]
UniProt Comments for EFTUD2	EFTUD2: Component of the U5 snRNP complex required for pre-mRNA splicing. Binds GTP. Defects in EFTUD2 are the cause of mandibulofacial dysostosis with microcephaly (MFDM). A rare syndrome characterized by progressive microcephaly, midface and malar hypoplasia, micrognathia, microtia, dysplastic ears, preauricular skin tags, significant developmental delay, and speech delay. Many patients have major sequelae, including choanal atresia that results in respiratory difficulties, conductive hearing loss, and cleft palate. Belongs to the GTP-binding elongation factor family. EF-G/EF-2 subfamily. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Spliceosome; RNA-binding; RNA splicing Chromosomal Location of Human Ortholog: 17q21.31 Cellular Component: nucleoplasm; spliceosome; Cajal body; membrane; cytoplasm; nuclear speck Molecular Function: GTPase activity; protein binding; GTP binding Biological Process: nuclear mRNA splicing, via spliceosome; RNA splicing; gene expression; mRNA processing Disease: Mandibulofacial Dysostosis, Guion-almeida Type
Research Articles on EFTUD2	**1.** EFTUD2 haploinsufficiency leads to syndromic oesophageal atresia.
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