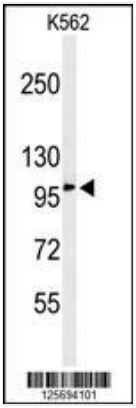
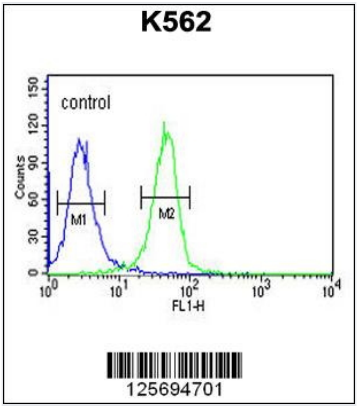
EFR3A Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	EFR3A, Polyclonal Antibody
Full Product Name	EFR3A, CT (EFR3A, KIAA0143, Protein EFR3 homolog A, Protein EFR3-like) (FITC)
Product Gene Name	anti-EFR3A antibody
Product Synonym Names	EFR3A; KIAA0143; Protein EFR3 homolog A; Protein EFR3-like
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 Fluorescein Isothiocyanate (FITC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: FITC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	85kDa
OMIM	611798
3D Structure	ModBase 3D Structure for Q14156
Immunogen	EFR3A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between amino acid 645-675 from the C-terminal region of human EFR3A.
Conjugate	FITC
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-EFR3A antibody	Antibodies; KIAA; orf
Applications Tested/Suitable for anti-EFR3A antibody	Flow Cytometry (FC/FACS), FLISA, Western Blot (WB)
Application Notes for anti-EFR3A antibody	FC/FACS: 1:10-50 FLISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-EFR3A antibody	MBS6294613 is an antibody targeting EFR3A. Also known as EFR3A, CT (EFR3A, KIAA0143, Protein EFR3 homolog A, Protein EFR3-like) (FITC). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-EFR3A antibody	Munemoto, Y., et al. Brain Res. Mol. Brain Res. 128(2):131-140(2004).
Other Notes	Small volumes of anti-EFR3A 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-EFR3A antibody
Western blot analysis of EFR3A Antibody (C-term) in K562 cell line lysates (35ug/lane). EFR3A (arrow) was detected using the purified Pab.



Flow Cytometry (FC/FACS) of anti-EFR3A antibody
EFR3A Antibody (C-term) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for EFR3A. It may not necessarily be applicable to this product.

NCBI GI #	154146218
NCBI GeneID	23167
NCBI Accession #	NP_055952
UniProt Primary Accession #	Q14156
UniProt Related Accession #	Q14156
GenBank Nucleotide #	NM_015137
NCBI Official Full Name	protein EFR3 homolog A isoform 1
NCBI Official Synonym Full Names	EFR3 homolog A
NCBI Official Symbol	EFR3A
UniProt Protein Name	Protein EFR3 homolog A
UniProt Synonym Protein Names	Protein EFR3-like
Protein Family	Protein
UniProt Gene Name	EFR3A
UniProt Synonym Gene Names	KIAA0143
UniProt Entry Name	EFR3A_HUMAN
NCBI Protein Information	protein EFR3 homolog A
NCBI Summary for EFR3A	The protein encoded by this gene is part of a complex that plays a role in maintaining an active pool of phosphatidylinositol 4-kinase (PI4K) at the plasma membrane. This protein is thought to be a peripheral membrane protein that associates with the plasma membrane through palmitoylation. Studies indicate that this gene product plays a role in controlling G protein-coupled receptor (GPCR) activity by affecting receptor phosphorylation. Whole exome sequencing studies have implicated mutations in this gene with autism spectrum disorders. [provided by RefSeq, Apr 2016]
Research Articles on EFR3A	**1.** These data suggest that mammalian Efr3s contribute to the control of the phosphorylation state and, hence, desensitization of AT1a receptors, and could affect responsiveness of G-protein-coupled receptors in higher eukaryotes.

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