Nuclear Factor I/X (NFIX) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Nuclear Factor I/X (NFIX), Polyclonal Antibody
Full Product Name	PE-Linked Polyclonal Antibody to Nuclear Factor I/X (NFIX)
Product Gene Name	anti-NFIX antibody
Product Synonym Names	NF1A; CTF; CCAAT-Binding Transcription Factor; TGGCA-binding protein
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Mouse, Rat
Concentration	>=100ug/ml (lot specific)
Matching Pairs	Unconjugated Antibody: NFIX (MBS2032510) PE Conjugated Antibody: NFIX (MBS2077014)
Matching Pairs	PE Conjugated Antibody: NFIX (MBS2077014) Immunogen: NFIX (MBS2033302)
Molecular Weight	47,911 Da
OMIM	L31881 mRNA
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Immunogen	NFIX (His13~Thr298)
Conjugation	PE
Cross Reactivity	Rat
Unconjugated Antibody	The unconjugated antibody version of this item is also available as catalog #MBS2032510
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-NFIX antibody	Western Blot (WB), Immunocytochemistry (ICC), Immunohistochemistry (IHC) Formalin/Paraffin, ELISA (ELISA)
Related Product Information for anti-NFIX antibody	MBS2077014 is an antibody targeting NFIX. Also known as PE-Linked Polyclonal Antibody to Nuclear Factor I/X (NFIX). Reactive in Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-NFIX 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.

ADDITIONAL DETAILS

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

NCBI GI #	5042399
NCBI GeneID	4784
NCBI Accession #	AAD38240.1
UniProt Secondary Accession #	O60413; Q0VG09; Q12859; Q13050; Q13052; Q5U094; Q9UPH1; Q9Y6R8; B4DM25

UniProt Related Accession #	Q14938
NCBI Official Full Name	nuclear factor I-X, partial
NCBI Official Synonym Full Names	nuclear factor I X
NCBI Official Symbol	NFIX
NCBI Official Synonym Symbols	CTF; NF1A; NF1-X; MRSHSS; NF-I/X; SOTOS2
UniProt Protein Name	Nuclear factor 1 X-type
UniProt Synonym Protein Names	CCAAT-box-binding transcription factor; CTF; Nuclear factor I/X; NF-I/X; NFI-X; TGGCA-binding protein
Protein Family	Nuclear factor
UniProt Gene Name	NFIX
UniProt Synonym Gene Names	NF1-X; Nuclear factor 1/X; CTF; NF-I/X; NFI-X
NCBI Protein Information	nuclear factor 1 X-type
NCBI Summary for NFIX	The protein encoded by this gene is a transcription factor that binds the palindromic sequence 5'-TTGGCNNNNNGCCAA-3 in viral and cellular promoters. The encoded protein can also stimulate adenovirus replication in vitro. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2012]
UniProt Comments for NFIX	NFI-X: Recognizes and binds the palindromic sequence 5'- TTGGCNNNNNGCCAA-3' present in viral and cellular promoters and in the origin of replication of adenovirus type 2. These proteins are individually capable of activating transcription and replication. Defects in NFIX are the cause of Sotos syndrome 2 (SOTOS2). A form of Sotos syndrome, a childhood overgrowth syndrome characterized by pre- and postnatal overgrowth, developmental delay, mental retardation, advanced bone age, and abnormal craniofacial morphology. SOTOS2 patients have macrocephaly, long narrow face, high forehead, slender habitus, scoliosis, and unusual behavior characterized especially by anxiety. Defects in NFIX are the cause of Marshall-Smith syndrome (MRSHSS). A distinct malformation syndrome characterized by accelerated skeletal maturation, relative failure to thrive, respiratory difficulties, mental retardation, and unusual facies, including prominent forehead, shallow orbits, blue sclerae, depressed nasal bridge, and micrognathia. Additional skeletal findings include long and thin tubular bones, broad middle phalanges with relatively narrow distal phalanges, and scoliosis. Belongs to the CTF/NF-I family. 5 isoforms of the human protein are produced by alternative splicing. Protein type: DNA-binding; Transcription factor Chromosomal Location of Human Ortholog: 19p13.13 Cellular Component: nucleus Molecular Function: protein binding; RNA polymerase II transcription factor activity, enhancer binding; transcription factor activity Biological Process: negative regulation of transcription from RNA polymerase II promoter; positive regulation of transcription from RNA polymerase II promoter; transcription from RNA polymerase II promoter Disease: Marshall-smith Syndrome; Sotos Syndrome 2
Research Articles on NFIX	**1.** Plasma miR-1914* and -1915 interact with NFIX RNA.
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