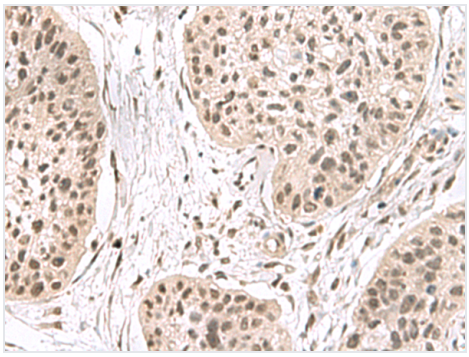
ERH Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ERH, Polyclonal Antibody
Full Product Name	ERH Polyclonal Antibody
Product Gene Name	anti-ERH antibody
Product Synonym Names	DROER; Enhancer of rudimentary homolog (Drosophila); Enhancer of rudimentary homolog; ERH; ERH; FLJ27340; HGNC:3447
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	PBS with 0.05% NaN3 and 40% Glycerol, pH7.4
Purity/Purification	Antigen Affinity Purification
Concentration	0.96mg/mL (lot specific)
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
OMIM	601191
3D Structure	ModBase 3D Structure for P84090
Immunogen	Fusion protein of human ERH
Conjugation	Unconjugated
Product Categories/Family for anti-ERH antibody	Cancer; Epigenetics and Nuclear Signaling
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-ERH antibody	Immunohistochemistry (IHC), ELISA (EIA)
Application Notes for anti-ERH antibody	IHC: 1:40-1:200 ELISA: 1:5000-1:10000
Related Product Information for anti-ERH antibody	ERH (enhancer of rudimentary homolog), also known as DROER, is a 104 amino acid transcriptional coregulator that is ubiquitously expressed and highly conserved among eukaryotes. ERH may play a role in cell cycle regulation and pyrimidine biosynthesis. ERH represses the function of the coactivator PCBD, preventing it from enhancing the activity of the tissue-specific transcription factor HNF-1 (hepatocyte nuclear factor-1). HNF-1 is a homeodomain transcription factor that binds DNA as a dimer and the HNF-1/DNA complex is stabilized by PCBD. By repressing PCBD, ERH disrupts the stability of the HNF-1/DNA complex, affecting the expression of multiple genes in the liver. The structure of ERH is characterized by a single domain consisting of three alpha-helices and four beta-strands. ERH has a long flexible loop that is significantly conserved, suggesting that this loop region may be important for the function of ERH. ERH has two casein kinase II phosphorylation sites that are thought to disrupt the ability of ERH to dimerize.
Other Notes	Small volumes of anti-ERH 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 ERH purchase	MBS2562918 is an antibody targeting ERH. Also known as ERH Polyclonal Antibody. Reactive in Human, Mouse. Host: Rabbit.



Immunohistochemistry (IHC) of anti-ERH antibody
Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using ERH Polyclonal Antibody at dilution of 1:55(×200)

ADDITIONAL DETAILS

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

NCBI GI #	4758302
NCBI GeneID	2079
NCBI Accession #	NP_004441.1
NCBI Related Accession #	BC014301
UniProt Primary Accession #	P84090
UniProt Related Accession #	P84090
GenBank Nucleotide #	NP_004441.1
NCBI Official Full Name	enhancer of rudimentary homolog
NCBI Official Synonym Full Names	ERH mRNA splicing and mitosis factor
NCBI Official Symbol	ERH
NCBI Official Synonym Symbols	DROER
UniProt Protein Name	Enhancer of rudimentary homolog
Protein Family	Enhancer of rudimentary
UniProt Gene Name	ERH
UniProt Entry Name	ERH_HUMAN
NCBI Protein Information	enhancer of rudimentary homolog
UniProt Comments for ERH	ERH: May have a role in the cell cycle. Belongs to the E(R) family. Protein type: Unknown function Chromosomal Location of Human Ortholog: 14q24.1 Cellular Component: membrane; midbody Biological Process: osteoblast differentiation; nucleobase, nucleoside, nucleotide and nucleic acid metabolic process; cell cycle; pyrimidine nucleoside metabolic process
Research Articles on ERH	**1.** Data suggest that ERH interacts directly in nucleus with C-terminal Arg-Gly-rich region of SAFB1/SAFB2 and this multimer co-localizes in insoluble nuclear fraction; binding of ERH reverses inhibition exerted by SAFB1/SAFB2 on SRPK1. (ERH = enhancer of rudimentary homolog protein; SAFB = scaffold attachment factor B; SRPK1 = splicing kinase SR protein kinase-1)

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