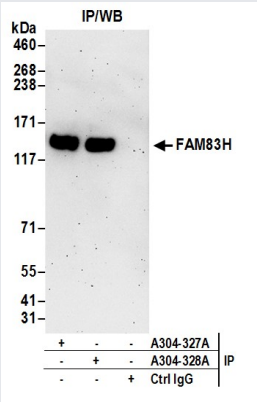
FAM83H Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	FAM83H, Polyclonal Antibody
Full Product Name	Rabbit anti-FAM83H Antibody, Affinity Purified
Product Gene Name	anti-FAM83H antibody
Product Synonym Names	protein FAM83H; FAM83H variant 2; FAM83H variant 1; AI3; AI3A; Protein FAM83H; family with sequence similarity 83 member H
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Purity/Purification	Antigen Affinity Purified
Concentration	1000ug/ml (lot specific)
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt
Molecular Weight	127,122 Da
OMIM	611927
3D Structure	ModBase 3D Structure for Q6ZRV2
Immunogen	Between 350 and 400
Conjugation	Unconjugated
Product Categories/Family for anti-FAM83H antibody	Primary Antibodies
Applications Tested/Suitable for anti-FAM83H antibody	Immunoprecipitation (IP)
Application Notes for anti-FAM83H antibody	IP: 6ug/mg lysate
Related Product Information for anti-FAM83H antibody	FAM83H plays an important role in the structural development and calcification of tooth enamel. Defects in the FAM83H gene are a cause of amelogenesis imperfecta type 3 (AI3)[taken from NCBI Entrez Gene (Gene ID: 286077)].
Other Notes	Small volumes of anti-FAM83H 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 FAM83H purchase	MBS3904520 is an antibody targeting FAM83H. Also known as Rabbit anti-FAM83H Antibody, Affinity Purified. Reactive in Human. Host: Rabbit.



Immunoprecipitation (IP) of anti-FAM83H antibody
Detection of human FAM83H by western blot of immunoprecipitates. Samples: Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from 293T cells. Antibodies: Affinity purified rabbit anti-FAM83H antibody MBS3904520 (lot MBS3904520-1) used for IP at 6 ug per reaction. FAM83H was also immunoprecipitated by rabbit anti-FAM83H antibody MBS3904521. For blotting immunoprecipitated FAM83H, MBS3904521 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FAM83H. It may not necessarily be applicable to this product.

NCBI GI #	157311635
NCBI GeneID	286077
NCBI Accession #	NP_940890.3
UniProt Primary Accession #	Q6ZRV2
UniProt Secondary Accession #	Q8N4W0; A0JLS2
UniProt Related Accession #	Q6ZRV2
GenBank Nucleotide #	NM_198488.3
NCBI Official Full Name	protein FAM83H
NCBI Official Synonym Full Names	family with sequence similarity 83, member H
NCBI Official Symbol	FAM83H
NCBI Official Synonym Symbols	AI3
UniProt Protein Name	Protein FAM83H
Protein Family	Protein
UniProt Gene Name	FAM83H
UniProt Entry Name	FA83H_HUMAN
NCBI Protein Information	protein FAM83H; FAM83H variant 1
NCBI Summary for FAM83H	The protein encoded by this gene plays an important role in the structural development and calcification of tooth enamel. Defects in this gene are a cause of amelogenesis imperfecta type 3 (AI3). [provided by RefSeq, Mar 2010]

UniProt Comments for FAM83H	FAM83H: May play a major role in the structural organization and calcification of developing enamel. Defects in FAM83H are the cause of amelogenesis imperfecta type 3 (AI3). AI3 is an autosomal dominant hypomineralized form of amelogenesis imperfecta, a defect of enamel formation. AI3 is characterized by enamel of normal thickness, but soft and with cheesy consistency. Enamel is lost from tooth soon after eruption. Belongs to the FAM83 family. Protein type: Unknown function Chromosomal Location of Human Ortholog: 8q24.3 Biological Process: biomineral formation Disease: Amelogenesis Imperfecta, Type Iii
Research Articles on FAM83H	**1.** Results suggest keratin cytoskeleton organization is regulated by FAM83H recruitment of CK-1alpha to keratins, and keratin filament disassembly caused by overexpression of FAM83H and localization of CK-1alpha contribute to the progression of colorectal cancer.
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