REN Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	REN, Monoclonal Antibody
Full Product Name	REN (Renin, FLJ10761) (MaxLight 490)
Product Gene Name	anti-REN antibody
Product Synonym Names	Renin; FLJ10761
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	3B5
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
Purity/Purification	Purified
Specificity	Recognizes REN.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo
Immunogen	REN (AAH47752, 24aa-406aa) full-length recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	LPTDTTTFKRIFLKRMPSIRESLKERGVDMARLGPEWSQPMKRLTLGNTTSSVILTNYMDTQYYGEIGIGTPPQTFKVVFDTGSSNVWVPSSKCSRLYTAC
Conjugate	MaxLight490
Product Categories/Family for anti-REN antibody	Antibodies; Angiotensin(ogen)
Applications Tested/Suitable for anti-REN antibody	FLISA, Immunofluorescence (IF), Western Blot (WB)
Application Notes for anti-REN antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-REN antibody	Renin catalyzes the first step in the activation pathway of angiotensinogen--a cascade that can result in aldosterone release, vasoconstriction, and incr nature has not been determined. Mutations in this gene have been shown to cause familial hyperproreninemia. [provided by RefSeq]
Other Notes	Small volumes of anti-REN antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessa
Searchable Terms for REN purchase	MBS6208282 is an antibody targeting REN. Also known as REN (Renin, FLJ10761) (MaxLight 490). Host: Mouse.

ADDITIONAL DETAILS

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

NCBI GI #	29126911
NCBI GeneID	5972
NCBI Accession #	AAH47752
UniProt Related Accession #	P00797
NCBI Official Full Name	Renin
NCBI Official Synonym Full Names	renin
NCBI Official Symbol	REN
NCBI Official Synonym Symbols	HNFJ2
Protein Family	Protein
NCBI Protein Information	renin
NCBI Summary for REN	Renin catalyzes the first step in the activation pathway of angiotensinogen--a cascade that can result in aldosterone release,vasoconstriction, and increase in blood pressure. Renin, an aspartyl protease, cleaves angiotensinogen to form angiotensin I, which is converted to angiotensin II by angiotensin I converting enzyme, an important regulator of blood pressure and electrolyte balance. Transcript variants that encode different protein isoforms and that arise from alternative splicing and the use of alternative promoters have been described, but their full-length nature has not been determined. Mutations in this gene have been shown to cause familial hyperproreninemia. [provided by RefSeq, Jul 2008]
Research Articles on REN	**1.** Chronic depression symptoms in Blacks activated the renin-angiotensin-aldosterone-system activity with apparent desensitization of renin activity.
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