Acrosin (ACR) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Acrosin (ACR), Polyclonal Antibody
Full Product Name	APC-Linked Polyclonal Antibody to Acrosin (ACR)
Product Gene Name	anti-ACR antibody
Product Synonym Names	ACRS; Preproacrosin
Immunogen Sequence	Ile43~Gly2 91
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Mouse
Form/Format	Liquid; PBS, pH7.4, containing 0.02% NaN3, 50% glycerol.
Purity/Purification	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
Concentration	>=100ug/ml (lot specific)
Specificity	The antibody is a rabbit polyclonal antibody raised against ACR. It has been selected for its ability to recognize ACR in immunohistochemical staining and western blotting.
Preparation and Storage	Store at 4 degree C for frequent use. Aliquot and store at -20 degree C for 12 months. Avoid repeated freeze/thaw cycles. The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Matching Pairs	Unconjugated Antibody: ACR (MBS2112187) APC Conjugated Antibody: ACR (MBS2120049)
Matching Pairs	APC Conjugated Antibody: ACR (MBS2120049) Immunogen: ACR (MBS2122898)
Molecular Weight	48,929 Da
3D Structure	ModBase 3D Structure for P23578
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 Sequence	Ile43~Gly291
Cross Reactivity	Mouse
Conjugation	APC
Product Categories/Family for anti-ACR antibody	Reproductive Science; Developmental Science; Nutrition Metabolism
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-ACR antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunoprecipitation (IP)
Related Product Information for anti-ACR antibody	MBS2120049 is an antibody targeting ACR. Also known as APC-Linked Polyclonal Antibody to Acrosin (ACR). Reactive in Mouse. Host: Rabbit.

Other Notes	Small volumes of anti-ACR 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 ACR. It may not necessarily be applicable to this product.

NCBI GI #	7304853
NCBI GeneID	11434
NCBI Accession #	NP_038483.1
UniProt Primary Accession #	P23578
UniProt Related Accession #	P23578
GenBank Nucleotide #	NM_013455.3
NCBI Official Full Name	acrosin isoform 1
NCBI Official Synonym Full Names	acrosin prepropeptide
NCBI Official Symbol	Acr
UniProt Protein Name	Acrosin
Protein Family	Acrosin
UniProt Gene Name	Acr
NCBI Protein Information	acrosin
UniProt Comments for ACR	Acrosin is the major protease of mammalian spermatozoa. It is a serine protease of trypsin-like cleavage specificity, it is synthesized in a zymogen form, proacrosin and stored in the acrosome.
Research Articles on ACR	**1.** SERPINA3K is involved in the Clock gene-mediated male fertility by regulating acrosin activity and provide the first evidence that SERPINA3K could be regulated by Clock gene via retinoic acid-related orphan receptor response elements.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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