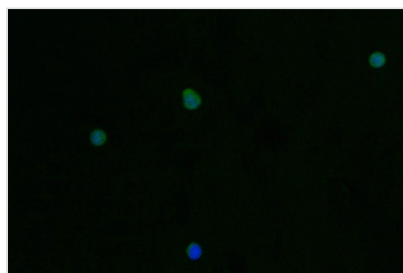




PRSS2 Recombinant Monoclonal Antibody

Product Code	CSB-RA789332A0HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P07478
Immunogen	A synthesized peptide derived from human PRSS2
Species Reactivity	Human
Tested Applications	ELISA, IF; Recommended dilution: IF:1:50-1:200
Relevance	In the ileum, may be involved in defensin processing, including DEFA5. {ECO:0000269 PubMed:12021776}.
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	Affinity-chromatography
Isotype	Rabbit IgG
Clonality	Monoclonal
Product Type	Recombinant Antibody
Immunogen Species	Homo sapiens (Human)
Research Area	Metabolism; Signal transduction
Gene Names	PRSS2
Clone No.	12H7

Image



Immunofluorescence staining of Jurkat cell with CSB-RA789332A0HU at 1:50, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 562-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).

Description

The production of the PRSS2 recombinant monoclonal antibody involves genetic engineering techniques such as gene cloning and expression to obtain the gene that encodes for the PRSS2 monoclonal antibody. The synthesized peptide derived from human PRSS2 protein was used as an immunogen to generate the PRSS2 monoclonal antibody. Affinity chromatography purification ensures the high purity of the obtained PRSS2 recombinant monoclonal antibody, which specifically recognizes and binds to the human PRSS2 protein. The PRSS2 recombinant monoclonal antibody has been validated for use in



ELISA and IF applications, which demonstrated the quality and specificity of the PRSS2 recombinant monoclonal antibody.

PRSS2 is a protease enzyme that is produced and secreted by the pancreas into the small intestine. It is a precursor of the active form of the enzyme, trypsin, which plays an essential role in the digestion of proteins. In the small intestine, PRSS2 is cleaved by an enzyme called enteropeptidase to generate trypsin, which in turn activates other pancreatic enzymes involved in protein digestion. Therefore, PRSS2 is an important component of the digestive system.