

AibGenesis™ Mouse Anti-LUT2 Antibody (CBMOAB-36075FYC)

Cat. No.: CBMOAB-36075FYC

Specifications

Host species	Mouse (<i>Mus musculus</i>)
Clone	MO36075FC
Specificity	This antibody binds to Arabidopsis LUT2.
Format	Liquid or Lyophilized
Storage	Store at 4°C: short-term (1-2weeks) Store at -20°C: long-term and future use
Purity	> 90% was determined by SDS-PAGE
Purification	Purified with Protein A or G affinity chromatography
Cellular Localization	Chloroplast; Other locations

Application-Information

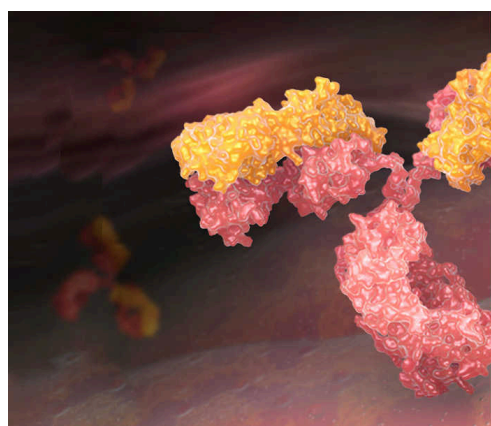
Application	WB, ELISA
Application Notes	ELISA: 1:1000-1:3000 Other applications are to be developed. The optimal dilution should be determined by the end user.

Target

Introduction	Involved in carotenoid biosynthesis. Catalyzes the single epsilon-cyclization reaction which converts lycopene to delta-carotene and neurosporene to alpha-zeacarotene (PubMed:8837512, PubMed:11226339). Required for lutein biosynthesis (PubMed:9789087). (From uniprot, under CC BY 4.0)
Product Overview	Mouse Anti-Arabidopsis LUT2 Antibody is a mouse antibody against LUT2. It can be used for LUT2 detection in Western Blot, Enzyme-Linked Immunosorbent Assay.
Protein Refseq	The length of the protein is 524 amino acids long. The sequence is show below: MECVGARNFAAMAVSTF PSWSCRRKFPVVKRYSYRNIRFGLCSVRASGGGSSGSESCVAV REDFADEEDFVKAGGSEILFVQMQQN

KDMDEQSKLVDKLPPISIGDGALDLVVIGCGPAG LALAAESAKLGLKVGLIGPDLPTNNYGVWEDEFNDLG
LQKCIEHVWRETIVYLDDDKPI TIGRAYGRVSRLLHEELLRRCVESGVSYLSSKVDSITEASDGLRLVACDD
NNVIPCRLA TVASGAASGKLLQYEVGGPRVCVQTAYGVEVEVENSYPDPQMVFM DYRDYTNEKVRSLE
AEYPTFLYAMPMTKSRLFFEETCLASKDVMPFDLLKTKMLRLDTLGIRILKTYEEESY IPVGGSLPNTEQ
KNLAFGAAASMVHPATGYSVVRSLSEAPKYASVIAEILREETTKQINS NISRQAWDTLWPPERKRQRAFFLF
GLALIVQFDTEGIRSFFRTFFRLPKWMWQGFLGSTL TSGDLVLFALYMFVISPNNLRKGLINHLISDPTGATM
IKTYLKV.

Sub Cat	Clonality	Species Reactivity	Application	Clone	Conjugate	Size
MOFAB-259W		Arabidopsis, Rice	WB		Unconjugated	100 µg



AibGenesis™

is an advanced AI-driven platform designed to create novel antibody sequences with unprecedented speed and precision. By integrating deep learning, structure prediction, and comprehensive immunological datasets, **AibGenesis™** intelligently designs antibodies optimized for affinity, stability, and developability. The platform generates antibody products that support basic scientific research, drug development, and diagnostic applications.