

ARG57007 anti-CMBL antibody [2B11]

Package: 50 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [2B11] recognizes CMBL
Tested Reactivity	Hu
Tested Application	WB
Host	Mouse
Clonality	Monoclonal
Clone	2B11
Isotype	IgG2a, kappa
Target Name	CMBL
Species	Human
Immunogen	Recombinant fragment around aa. 1-245 of Human CMBL.
Conjugation	Un-conjugated
Alternate Names	JS-1; Carboxymethylenebutenolidase homolog; EC 3.1.-.-

Application Instructions

Application table	Application	Dilution
	WB	1:500 - 1:5000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

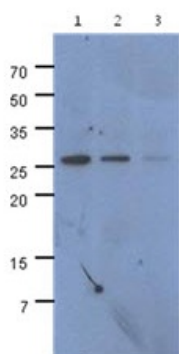
Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 10% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	10% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 134147 Human Swiss-port # Q96DG6 Human
Gene Symbol	CMBL
Gene Full Name	carboxymethylenebutenolidase homolog (Pseudomonas)
Background	CMBL (EC 3.1.1.45) is a cysteine hydrolase of the diene lactone hydrolase family that is highly expressed in liver cytosol. CMBL preferentially cleaves cyclic esters, and it activates medoxomil-ester prodrugs in which the medoxomil moiety is linked to an oxygen atom (Ishizuka et al., 2010 [PubMed 20177059]).[supplied by OMIM, Apr 2010]
Function	Cysteine hydrolase. Can convert the prodrug olmesartan medoxomil into its pharmacologically active metabolite olmerstatan, an angiotensin receptor blocker, in liver and intestine. May also activate beta-lactam antibiotics faropenem medoxomil and lenampicillin. [UniProt]
Calculated Mw	28 kDa

Images



ARG57007 anti-CMBL antibody [2B11] WB image

Western blot: 40 µg of HeLa cell lysate stained with ARG57007 anti-CMBL antibody [2B11] at 1) 1:500, 2) 1:1000, and 3) 1:5000 dilution.