LACTB2 Antibody FITC Conjugated

Catalog No: #C08053F

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Description

Product Name	LACTB2 Antibody FITC Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	IF(IHC-P)
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide derived from human LACTB2
Conjugates	FITC
Target Name	LACTB2
Other Names	Beta lactamase like protein 2; Beta-lactamase-like protein 2; CGI 83; LACB2_HUMAN; Lactamase beta 2; LACTB2.
Accession No.	NCBI Gene ID51110
Concentration	1mg ml
Formulation	10mM Tris Buffered Saline containing 1% BSA, 50% glycerol and 0.09% sodium azide.
Storage	Store at 4C for 12 months.

Application Details

Immunofluorescence: 1:50-200

Background

Penicillin refers to any member of beta-lactam antibiotics group. These agents are identified by a beta-lactam ring within their molecular structure. As the most widely used group of antibiotics available, beta-lactams are used for the treatment of bacterial infections usually caused by gram-positive organisms. Beta-lactam antibiotics are bactericidal, functioning to inhibit the synthesis of the peptidoglycan layer of bacterial cell walls. Bacterial penicillin-binding proteins and beta-lactamases constitute a large family of serine proteases that perform essential functions in the synthesis and maintenance of peptidoglycan cell wall. Notably, beta-lactamases cleave beta-lactams, therefore providing the bacteria with resistance to the antibiotic. Homologues of beta-lactamases occur in many species, including human, rat, cow, rabbit, pig, xenopus, zebrafish, and C. elegans. The human homologues, LACTB and LACTB2, are active-site-serine enzymes thought to be involved in metabolism.