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Datasheet for ABIN1403429  
**anti-LACTB2 antibody (Alexa Fluor 555)**

### Overview

Quantity:	100 µL
Target:	LACTB2
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LACTB2 antibody is conjugated to Alexa Fluor 555
Application:	Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human LACTB2
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

### Target Details

Target:	LACTB2
Alternative Name:	LACTB2 ( <a href="#">LACTB2 Products</a> )
Background:	Synonyms: Beta lactamase like protein 2, Beta-lactamase-like protein 2, CGI 83, LACB2_HUMAN, Lactamase beta 2, LACTB2. 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

## Target Details

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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.

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Gene ID: 51110

## Application Details

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Application Notes: IF(IHC-P) 1:50-200

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months