Datasheet for ABIN1701447

anti-GALE antibody (AA 21-120) (Biotin)

Go to Product page

Overview

Quantity:	100 µL
Target:	GALE
Binding Specificity:	AA 21-120
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GALE antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human GALE/Galactowaldenase
Isotype:	IgG
Cross-Reactivity:	Mouse
Predicted Reactivity:	Human,Rat,Pig,Horse
Purification:	Purified by Protein A.

Target Details

Target:	GALE
Alternative Name:	GALE/Galactowaldenase (GALE Products)

Target Details

Background:	Synonyms: FLJ95174, FLJ97302, Galactose 4 epimerase UDP, Galactowaldenase, galE, GALE_HUMAN, OTTHUMP00000002991, OTTHUMP00000002994, OTTHUMP00000037931, OTTHUMP00000044857, SDR1E1, short chain dehydrogenase/reductase family 1E member 1, UDP galactose 4 epimerase, UDP glucose 4 epimerase, UDP-galactose 4-epimerase, UDP-glucose 4-epimerase. Background: GALE is a 348 amino acid protein that functions as the third enzyme in the Leloir pathway of galactose metabolism. A member of the sugar epimerase family, GALE exists as a homodimer, binds FAD as a cofactor and catalyzes the epimerization of UDP-N-acetylglucosamine to UDP-N-acetylgalactosamine and UDP-glucose to UDP-galactose. The gene encoding GALE maps to human chromosome 1p36.11 and mutations in this gene lead to the development of complex disorder known as epimerase-deficiency galactosemia (EDG) or galactosemia type 3, which is characterized by mental retardation, liver damage, cataracts and deafness.
Gene ID:	2582
Pathways:	Response to Water Deprivation, Cellular Glucan Metabolic Process

Application Details

Application Notes:	WB 1:300-5000 IHC-P 1:200-400 IHC-F 1:100-500
Restrictions:	For Research Use only

Handling

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 for 12 months.

Handling

Expiry Date:	12 months

