Datasheet for ABIN2785691
anti-GALE antibody (Middle Region)

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Overview

Quantity:	100 μL
Target:	GALE
Binding Specificity:	Middle Region
Reactivity:	Human, Rat, Dog, Pig, Rabbit, Cow, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GALE antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human GALE
Sequence:	PQGIPNNLMP YVSQVAIGRR EALNVFGNDY DTEDGTGVRD YIHVVDLAKG
Predicted Reactivity:	Cow: 100%, Dog: 100%, Horse: 100%, Human: 100%, Pig: 100%, Rabbit: 100%, Rat: 93%
Characteristics:	This is a rabbit polyclonal antibody against GALE. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	GALE
Alternative Name:	GALE (GALE Products)
Background:	GALE is an UDP-galactose-4-epimerase which catalyzes two distinct but analogous reactions:

Target Details

the epimerization of UDP-glucose to UDP-galactose, and the epimerization of UDP-N-acetylglucosamine to UDP-N-acetylgalactosamine. The bifunctional nature of the enzyme has the important metabolic consequence that mutant cells (or individuals) are dependent not only on exogenous galactose, but also on exogenous N-acetylgalactosamine as a necessary precursor for the synthesis of glycoproteins and glycolipids. Mutations in this gene result in epimerase-deficiency galactosemia, also referred to as galactosemia type 3, a disease characterized by liver damage, early-onset cataracts, deafness and mental retardation, with symptoms ranging from mild ('peripheral' form) to severe ('generalized' form).

Alias Symbols: SDR1E1

Protein Interaction Partner: GALE, SUMO2, UBC, BAG3, FN1, APP,

Protein Size: 348

Molecular Weight:	38 kDa
Gene ID:	2582
NCBI Accession:	NM_001008216, NP_001008217
UniProt:	Q14376
Pathways:	Response to Water Deprivation, Cellular Glucan Metabolic Process

Application Details

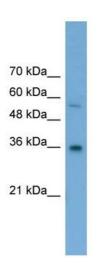|	
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 348 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn
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Handling

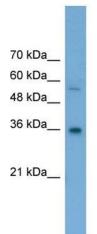|	
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images

Western Blotting

Image 1. WB Suggested Anti-GALE Antibody Titration: 0.2-1 ug/ml

ELISA Titer: 1:312500

Positive Control: Transfected 293T

Rabbit Anti-GALE Antibody
Catalog Number: ARP54394
Lot Number: QC27025
Lane: Transfected 293T Cell Lysate

Antibody Titration: 0.5µg/ml
Gel Concentration: 12%

Western Blotting

Image 2. WB Suggested Anti-GALE

Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1:.12500

Positive Control: Transfected 293T