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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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GALE Antibody - N-terminal region : Biotin (ARP54393_P050-Biotin)

Data Sheet

Product Number	ARP54393_P050-Biotin
Product Page	www.avivasysbio.com/gale-antibody-n-terminal-region-biotin-arp54393-p050-biotin.html
Name	GALE Antibody - N-terminal region : Biotin (ARP54393_P050-Biotin)
Protein Size (# AA)	348 amino acids
Molecular Weight	38kDa
Conjugation	Biotin
NCBI Gene Id	2582
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	UDP-galactose-4-epimerase
Alias Symbols	SDR1E1
Peptide Sequence	Synthetic peptide located within the following region: AEKVLVTGGAGYIGSHTVLELLEAGYLPVVIDNFHNAFRGGGSLPESLRR
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Reference	Chhay,J.S., (2008) J. Inherit. Metab. Dis. 31 (1), 108-116
Description of Target	GALE is an UDP-galactose-4-epimerase which catalyzes two distinct but analogous reactions: 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). This gene encodes UDP-galactose-4-epimerase which catalyzes two distinct but analogous reactions: 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). Multiple alternatively spliced transcripts encoding the same protein have been identified.
Protein Interactions	GALE; SUMO2; UBC; BAG3; FN1; APP;
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for anti-GALE (ARP54393_P050-Biotin) antibody
Blocking Peptide	For anti-GALE (ARP54393_P050-Biotin) antibody is Catalog # AAP54393 (Previous Catalog # AAPP31168)
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human GALE
Uniprot ID	Q14376
Protein Name	UDP-glucose 4-epimerase
Protein Accession #	NP_001008217
Purification	Affinity Purified

Nucleotide Accession #	NM_001008216
Gene Symbol	GALE
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Pig, Rabbit
Application	WB
Predicted Homology Based on Immunogen Sequence	Cow: 93%; Dog: 86%; Guinea Pig: 86%; Human: 100%; Mouse: 91%; Pig: 91%; Rabbit: 92%; Rat: 91%
Image 1	

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Optimal conditions of its use should be determined by end users.

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