

Rabbit anti-Human GALE Polyclonal Antibody | anti-GALE antibody

GALE antibody

CATALOG # AAA305070	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunofluorescence, Western Blot
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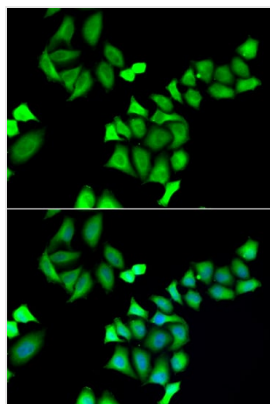
PRODUCT SYNONYMS

GALE; Polyclonal Antibody; GALE antibody; SDR1E1; anti-GALE antibody

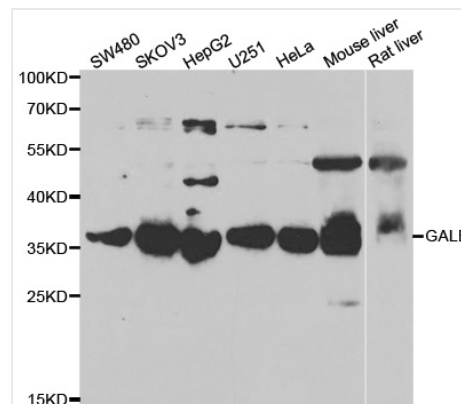
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of total GALE antibody.
Purity/Purification	Antibodies were purified by affinity purification using immunogen.
Form/Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	348
Applicable Applications for anti-GALE antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human GALE.
Target Name	GALE
Preparation and Storage	Store at -20 degree C

IMAGES


IF (Immunofluorescence)

Immunofluorescence analysis of A549 cell using GALE antibody. Blue: DAPI for nuclear staining.


WB (Western Blot)

Western blot analysis of extracts of various cell lines, using GALE antibody.

ADDITIONAL INFORMATION

Related Product Information for anti- GALE antibody	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-acetylglactosamine 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.
Product Categories/Family for anti- GALE antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	56237023
NCBI GeneID	2582
NCBI Accession #	NP_000394.2
NCBI GenBank Nucleotide #	NM_000403.3
UniProt Accession #	Q14376; Q38G75; Q86W41; Q9BVE3; Q9UJB4; A0A024RAH5; B3KQ39
Molecular Weight	30,180 Da
NCBI Official Full Name	UDP-glucose 4-epimerase
NCBI Official Synonym Full Names	UDP-galactose-4-epimerase
NCBI Official Symbol	GALE
NCBI Official Synonym Symbols	SDR1E1
NCBI Protein Information	UDP-glucose 4-epimerase
UniProt Protein Name	UDP-glucose 4-epimerase
UniProt Gene Name	GALE
UniProt Synonym Gene Names	UDP-GlcNAc 4-epimerase
UniProt Entry Name	GALE_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/gale-antibody-immunofluorescence-western-blot-elisa/305070>