

Rabbit GALE Polyclonal Antibody | anti-GALE antibody

GALE Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290151	Rabbit	Human (Predicted Reactivity: Bovine, Mouse)	Immunofluorescence, Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

GALE; Polyclonal Antibody; GALE Antibody (Center); UDP-glucose 4-epimerase; Galactowaldenase; UDP-N-acetylgalactosamine 4-epimerase; UDP-GalNAc 4-epimerase; UDP-N-acetylglucosamine 4-epimerase; UDP-GlcNAc 4-epimerase; UDP-galactose 4-epimerase; GALE HGNC:4116; anti-GALE antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Mouse)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This GALE antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 142-171 amino acids from the Central region of human GALE.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	142-171
Sequence Length	274
Applicable Applications for anti-GALE antibody	IF (Immunofluorescence), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)

Confocal immunofluorescent analysis of GALE Antibody (Center) with WiDr cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



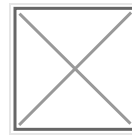
FCM/FACS (Flow Cytometry)

GALE Antibody (Center) flow cytometry analysis of HeLa cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human skin tissue reacted with GALE Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)

Western blot analysis of GALE Antibody (Center) in A375 cell line lysates (35ug/lane). GALE (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-GALE antibody	UDP-galactose-4-epimerase 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.
Product Categories/Family for anti-GALE antibody	Cancer; Metabolism; Signal Transduction
References	Openo,K.K., et.al., Am. J. Hum. Genet. 78 (1), 89-102 (2006)

NCBI AND UNIPROT INFORMATION

NCBI GI #	56237023
NCBI GeneID	2582
NCBI Accession #	NP_000394.2; NP_001008217.1; NP_001121093.1
NCBI GenBank Nucleotide #	NM_000403.3
UniProt Accession #	Q14376; Q38G75; Q86W41; Q9BVE3; Q9UJB4; A0A024RAH5; B3KQ39
Molecular Weight	38282
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-flow-cytometry-immunohistochemistry-western-blot-elisa/290151>