GALE rabbit pAb

Catalog_no：	AT6716
Applications：	WB
Reactivity：	Human, Mouse,Rat
Category：	抗原抗体
Size：	100μg/50μg/20μg
Gene_name：	GALE
Protein_name：	GALE
Humangene_id：	2582
Humanswissprot_no：	Q14376
Mousegene_id：	74246
Mouseswissprot_no：	Q8R059
Ratswissprot_no：	P18645
Immunogen：	Synthesized peptide derived from human GALE
Specificity：	This antibody detects endogenous levels of GALE at Human/Mouse/Rat
Formulation：	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source：	Rabbit
Dilution：	WB 1：500-2000
Purification：	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Concentration：	1 mg/ml
Storage_stability：	-20°C/1 year
Background：	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. [provided by RefSeq, Jul 2008],