ARG64940
anti-DBP / Vitamin D binding protein antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes DBP / Vitamin D binding protein
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Dog
Tested Application	WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	DBP / Vitamin D binding protein
Species	Human
Immunogen	ERGRDYEKNKVCK; the sequence is corresponding to internal sequence (near the N terminal) amino acids 18-30 of Human Vitamin D Binding protein (NP_000574.2).
Conjugation	Un-conjugated
Alternate Names	GRD3; DBP/GC; HEL-S-51; VDBG; VDB; Gc-globulin; DBP; VDBP; Vitamin D-binding protein; Group-specific component

Application Instructions

Application table

Application	Dilution
WB	0.5 - 3 µg/ml

Application Note

WB: Recommend incubate at RT for 1h.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

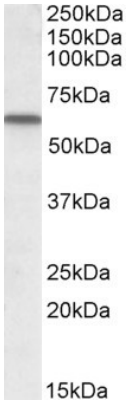
Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 2638 Human Swiss-port # P02774 Human
Gene Full Name	group-specific component (vitamin D binding protein)
Background	The protein encoded by this gene belongs to the albumin gene family. It is a multifunctional protein found in plasma, ascitic fluid, cerebrospinal fluid and on the surface of many cell types. It binds to vitamin D and its plasma metabolites and transports them to target tissues. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Feb 2011]
Research Area	Cancer antibody; Metabolism antibody; Signaling Transduction antibody
Calculated Mw	53 kDa
PTM	Allele GC*1S is O-glycosylated at Thr-436 (PubMed:20079467). The trisaccharide sugar moiety can be modified by the successive removal of neuraminic acid and galactose leaving an O-linked N-acetyl-galactosamine. This conversion is thought to produce a macrophage-activating factor (Gc-MAF). Only a minor proportion of plasma GC is O-glycosylated (PubMed:17360250). The potential N-glycosylation site predicted at Asn-288 is thought to be nonglycosylated.

Images



ARG64940 anti-DBP / Vitamin D binding protein antibody WB image

Western blot: Human Lung lysate (35 µg protein in RIPA buffer) stained with ARG64940 anti-DBP / Vitamin D binding protein antibody at 1 µg/ml dilution.