Goat Anti-Rabbit IgG

catalog number: **E-AB-1034**

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Rabbit
Immunogen	Rabbit IgG
Host	Goat
Purification	Affinity purification
Conjugation	Unconjugated
Buffer	PBS with 0.1% Proclin300, 1% protective protein and 50% glycerol, pH 7.4.

Applications	Recommended Dilution
Other	When the antibody is labeled, for example, with HRP, FITC, BIOTIN, etc, BSA and NaN3 cannot be contained in reagents.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze/thaw cycles.
Shipping	Ice bag

Background

Beta-galactoside-binding lectin that acts as a sensor of membrane damage caused by infection and restricts the proliferation of infecting pathogens by targeting them for autophagy (PubMed:22246324, PubMed:28077878). Detects membrane rupture by binding beta-galactoside ligands located on the lumenal side of the endosome membrane; these ligands becoming exposed to the cytoplasm following rupture (PubMed:22246324, PubMed: 28077878). Restricts infection by initiating autophagy via interaction with CALCOCO2/NDP52 (PubMed:22246324, PubMed:28077878). Required to restrict infection of bacterial invasion such as S.typhimurium (PubMed:22246324). Also required to restrict infection of Picornaviridae viruses (PubMed:28077878). Has a marked preference for 3'-O-sialylated and 3'-O-sulfated glycans (PubMed:21288902).

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