

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects human, mouse and rat Prohibitin 2 in direct ELISAs and Western blots. In direct ELISAs, approximately 10% cross-reactivity with recombinant human Prohibitin is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human Prohibitin 2 Lys89-Lys299 Accession # Q99623
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Prohibitin 2 (PHB2; also B-cell receptor-associated protein BAP37 and REA) is a 37 kDa, ubiquitous member of the prohibitin family of molecules. PHB2 is found in multiple intracellular compartments. It is suggested to be a component of an inner mitochondrial membrane complex and a nuclear repressor of the estrogen receptor (ER). Human PHB2 is 299 amino acids (aa) in length. It contains a mitochondrial localization signal (aa 1-50), two ER repressor domains (aa 19-49 and aa 150-174), and a central coiled-coil domain (aa 190-238). There may be one splice variant that shows a premature truncation after aa 289. Over aa 89-299, mouse and rat PHB2 are 100% identical to human PHB2.

PRODUCT SPECIFIC NOTICES

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