

Product datasheet

Anti-P Glycoprotein antibody [265/F4] α b3083

★★★★☆ 3 Abreviews 4 References 1 Image

Overview

Product name	Anti-P Glycoprotein antibody [265/F4]
Description	Mouse monoclonal [265/F4] to P Glycoprotein
Host species	Mouse
Specificity	We have data to indicate that this antibody may not cross react with Human. However, this has not been conclusively tested and expression levels may vary in certain cell lines/tissues.
Tested applications	Suitable for: Flow Cyt, IHC-Fr, ICC/IF, WB
Species reactivity	Reacts with: Hamster
Immunogen	Colchicine resistant viable Chinese Hamster Ovary.
Positive control	Drug resistant Chinese Hamster Ovary (CHO) cells.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.40 Constituents: 0.0268% PBS, 0.2% BSA
Clonality	Monoclonal
Clone number	265/F4
Isotype	IgG1
Light chain type	kappa

Applications

Our [Abpromise guarantee](#) covers the use of **ab3083** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
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Application	Abreviews	Notes
Flow Cyt		Use at an assay dependent concentration. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
IHC-Fr		Use at an assay dependent concentration. Fix with acetone.
ICC/IF	★★★★★	Use at an assay dependent concentration.
WB	★★★★★	Use a concentration of 1 - 2 µg/ml. Detects a band of approximately 170 kDa (predicted molecular weight: 170 kDa). 2 hours at RT.

Target

Function	Energy-dependent efflux pump responsible for decreased drug accumulation in multidrug-resistant cells.
Tissue specificity	Expressed in liver, kidney, small intestine and brain.
Involvement in disease	Genetic variations in ABCB1 are associated with susceptibility to inflammatory bowel disease type 13 (IBD13) [MIM:612244]. Inflammatory bowel disease is characterized by a chronic relapsing intestinal inflammation. It is subdivided into Crohn disease and ulcerative colitis phenotypes. Crohn disease may involve any part of the gastrointestinal tract, but most frequently the terminal ileum and colon. Bowel inflammation is transmural and discontinuous; it may contain granulomas or be associated with intestinal or perianal fistulas. In contrast, in ulcerative colitis, the inflammation is continuous and limited to rectal and colonic mucosal layers; fistulas and granulomas are not observed. Both diseases include extraintestinal inflammation of the skin, eyes, or joints. Crohn disease and ulcerative colitis are commonly classified as autoimmune diseases.
Sequence similarities	Belongs to the ABC transporter superfamily. ABCB family. Multidrug resistance exporter (TC 3.A.1.201) subfamily. Contains 2 ABC transmembrane type-1 domains. Contains 2 ABC transporter domains.
Cellular localization	Membrane.

Images



All lanes : Anti-P Glycoprotein antibody [265/F4] (ab3083) at 1/2000 dilution

All lanes : Nuclear lysate prepared from human DU145 cells

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Rabbit Anti-Mouse IgG H&L (HRP) (ab6728) at 1/10000 dilution

Developed using the ECL technique.

Predicted band size: 170 kDa

Exposure time: 30 seconds

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