abcam

Product datasheet

Anti-PIGA antibody ab69768

★★★★★ 3 Abreviews 2 References 2 图像

概述

产品名称	Anti-PIGA抗体
描述	**兔多克隆抗体**to PIGA
宿主	Rabbit
经测试应用	**适用于:** ICC/IF, WB
种属反应性	**与反应:** Human **预测可用于:** Mouse, Dog, Chimpanzee
免疫原	Synthetic peptide corresponding to Human PIGA aa 200-300 conjugated to keyhole limpet haemocyanin. (Peptide available as **ab69767**)
阳性对照	This antibody gave a positive signal in the following Human Whole Cell Lysates: TE 671, A498, HeLa - Hydroxyurea Treated (48hr, 2µM), Jurkat - Staurosporine Treated (24hr, 500nM), Y79, HeLa - Staurosporine Treated (24hr, 500nM), HeLa - Hydroxyurea Treated (48hr, 1µM)
常规说明	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.

纯度	Immunogen affinity purified
克隆	**多克隆**
同种型	IgG

应用

The Abpromise guarantee	**Abpromise™承诺保证使用ab69768于以下的经测试应用**

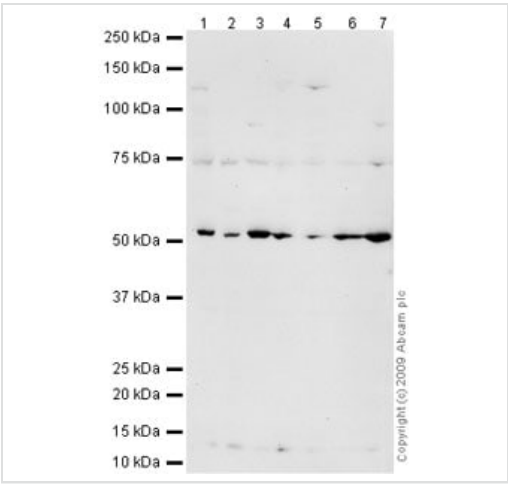
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
ICC/IF	★★★★★ (2)	Use a concentration of 1 - 5 µg/ml.
WB	★★★★★ (1)	Use a concentration of 1 µg/ml. Detects a band of approximately 54 kDa (predicted molecular weight: 54 kDa).

靶标

功能	Necessary for the synthesis of N-acetylglucosaminyl-phosphatidylinositol, the very early intermediate in GPI-anchor biosynthesis.
通路	Glycolipid biosynthesis; glycosylphosphatidylinositol-anchor biosynthesis.
疾病相关	Paroxysmal nocturnal hemoglobinuria (PNH) [MIM:300818]: A disorder characterized by hemolytic anemia with hemoglobinuria, thromboses in large vessels, and a deficiency in hematopoiesis. Clinical manifestation of red blood cell breakdown with release of hemoglobin into the urine is manifested most prominently by dark-colored urine in the morning. Note=The disease is caused by mutations affecting the gene represented in this entry. Multiple congenital anomalies-hypotonia-seizures syndrome 2 (MCAHS2) [MIM:300868]: An X-linked recessive developmental disorder characterized by dysmorphic features, neonatal hypotonia, myoclonic seizures, and variable congenital anomalies involving the central nervous, cardiac, and urinary systems. Most affected individuals die in infancy. Note=The disease is caused by mutations affecting the gene represented in this entry.
序列相似性	Belongs to the glycosyltransferase group 1 family. Glycosyltransferase 4 subfamily.
细胞定位	Endoplasmic reticulum membrane.

图片



Western blot - Anti-PIGA antibody (ab69768)

All lanes : Anti-PIGA antibody (ab69768) at 1 µg/ml

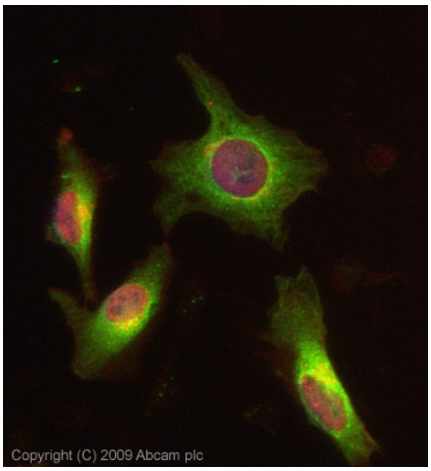
Lane 1 : TE 671 (Human Rhabdomyosarcoma) Whole Cell Lysate
Lane 2 : A498 (Human Kidney Carcinoma) Whole Cell Lysate
Lane 3 : HeLa Whole Cell Lysate - Hydroxyurea Treated (48hr, 2µM)
Lane 4 : Jurkat Whole Cell Lysate - Staurosporine Treated (24hr, 500nM)
Lane 5 : Y79 (Human retinoblastoma cell line) Whole Cell Lysate
Lane 6 : HeLa Whole Cell Lysate - Staurosporine Treated (24hr, 500nM)
Lane 7 : HeLa Whole Cell Lysate - Hydroxyurea Treated (48hr, 1µM)

Lysates/proteins at 10 µg per lane.

Secondary
All lanes : Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

Performed under reducing conditions.

Predicted band size: 54 kDa
Observed band size: 54 kDa
Additional bands at: 75 kDa. We are unsure as to the identity of these extra bands.



Immunocytochemistry/ Immunofluorescence - Anti-PIGA antibody (ab69768)

ICC/IF image of ab69768 stained HeLa cells. The cells were 4% PFA fixed (10 min) and then incubated in 1%BSA / 10% normal Goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab69768, 1µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 Goat anti-Rabbit IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM. This antibody also gave a positive result in 4% PFA fixed (10 min) HepG2 cells at 1µg/ml, and in 100% Methanol fixed (5 min) HeLa, Hek293, HepG2, MCF-7 cells at 5µg/ml.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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