

Rabbit anti-Human HIGD2A Polyclonal Antibody | anti-HIGD2A antibody

Anti-HIGD2A Antibody, Rabbit Polyclonal

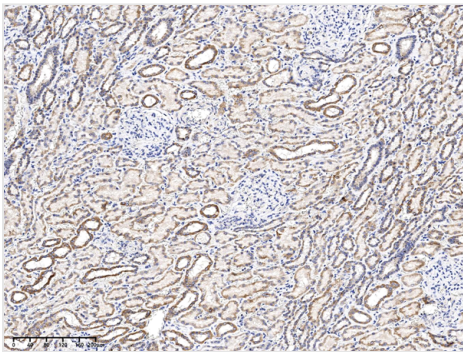
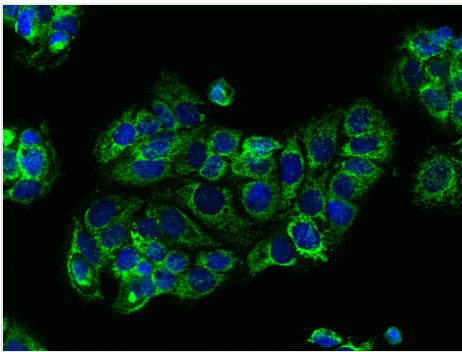
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA259452	Rabbit	Human	Immunocytochemistry, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

HIGD2A; Polyclonal Antibody; Anti-HIGD2A Antibody; Rabbit Polyclonal; HIGD2A Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-HIG2A Antibody; Anti-MGC2198 Antibody; Anti-RCF1b Antibody; anti-HIGD2A antibody

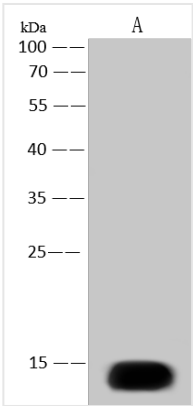
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human HIGD2A
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-HIGD2A antibody	ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E coli-derived Human HIGD2A fragment
Preparation	Produced in rabbits immunized with E coli-derived Human HIGD2A fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2 degree C-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles. This antibody is shipped as liquid solution at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.



IF (Immunofluorescence)
Immunofluorescence staining of HIGD2A-FP06572 in MCF7 cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human HIGD2A-FP06572 polyclonal antibody (dilution ratio 1:100) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to Cytoplasm.

IHC (Immunohistochemistry)
Immunochemical staining of human HIGD2A in human kidney with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)
Anti-HIGD2A rabbit polyclonal antibody at 1:500 dilution Lane A: Mouse kidney tissue lysate Lysates/proteins at 30ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 11 kDa Observed band size: 14 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-HIGD2A antibody	The expression of HIGD2A is dependent on oxygen levels, glucose concentration, and cell cycle progression. This gene encodes for protein HIG2A, found in mitochondria and the nucleus, promoting cell survival in hypoxic conditions. The encoded HIGD2A protein is an inner mitochondrial membrane protein and is a functional ortholog of the yeast respiratory supercomplex factor 1 (Rcf1). In mouse, the orthologous protein enhances cell survival under conditions of hypoxia. The genomic location of HIGD2A is in chromosome 5q35.2, where several chromosomal abnormalities are related to numerous cancers. Depletion of HIGD2A selectively impairs the viability of colon adenocarcinoma cells (DLD1), which are Ras mutant cells, suggesting a role of HIG2A in cell cycle regulation and a potential target in cancer therapy.
References	Salaza. C. e. al. (2020). Biosyste. analysi. o. th. hypoxi. inducibl. domai. famil. membe. 2a. Implication. i. cance. biology. Gene. (Basel. 1. (2). 206.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.