

A5024

Leader in Biomolecular Solutions for Life Science



15-PGDH/HPGD Rabbit mAb

Catalog No.: A5024 **Recombinant**

Basic Information

Observed MW

29kDa

Calculated MW

29kDa

Category

SMab Recombinant Monoclonal Antibody

Applications

WB,IF/ICC,ELISA

Cross-Reactivity

Mouse,Rat

CloneNo number

ARC1280

Background

This gene encodes a member of the short-chain nonmetalloenzyme alcohol dehydrogenase protein family. The encoded enzyme is responsible for the metabolism of prostaglandins, which function in a variety of physiologic and cellular processes such as inflammation. Mutations in this gene result in primary autosomal recessive hypertrophic osteoarthropathy and craniosteoarthropathy. Multiple transcript variants encoding different isoforms have been found for this gene.

Recommended Dilutions

WB	1:500 - 1:2000
IF/ICC	1:50 - 1:200

Immunogen Information

Gene ID	Swiss Prot
3248	P15428

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 50-151 of human 15-PGDH/HPGD (P15428).

Synonyms

PGDH; PGDH1; PHOAR1; 15-PGDH; SDR36C1; 15-PGDH/HPGD

Contact



www.abclonal.com

Product Information

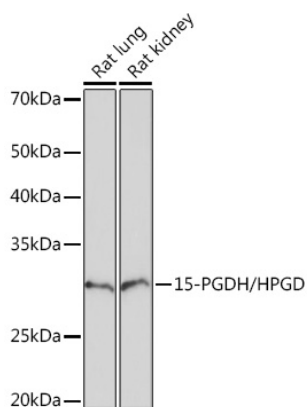
Source	Isotype	Purification
Rabbit	IgG	Affinity purification

Storage

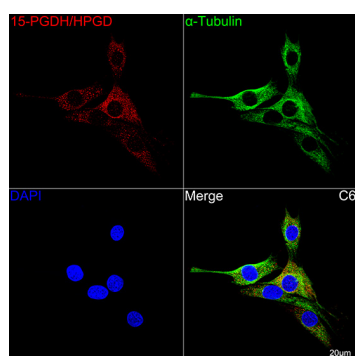
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

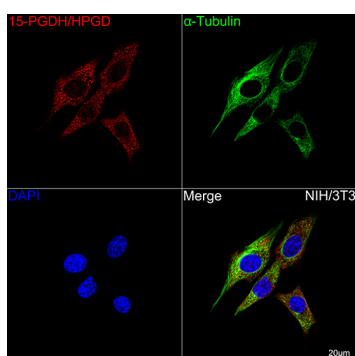
Validation Data



Western blot analysis of various lysates using 15-PGDH/HPGD Rabbit mAb (A5024) at 1:1000 dilution.
 Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (A5014) at 1:10000 dilution.
 Lysates/proteins: 25µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Exposure time: 90s.



Confocal imaging of C6 cells using 15-PGDH/HPGD Rabbit mAb (A5024, dilution 1:100) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (A5007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (A5076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



Confocal imaging of NIH/3T3 cells using 15-PGDH/HPGD Rabbit mAb (A5024, dilution 1:100) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (A5007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (A5076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.