

Product datasheet for TA351523

PHGDH Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: WB

Recommended Dilution: WB: 200-1000

WB positive control: NIH/3T3 and A431 cells

Reactivity: Human, Mouse, Rat

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

Immunogen: Synthetic peptide of human PHGDH

Formulation: pH7.4 PBS, 0.05% NaN3, 40% Glyceroln

Concentration: lot specific

Purification: Antigen affinity purification

Conjugation: Unconjugated

Storage: Store at -20°C as received.

Stability: Stable for 12 months from date of receipt.

Predicted Protein Size: 57 kDa

Gene Name: phosphoglycerate dehydrogenase

Database Link: NP 006614

Entrez Gene 58835 RatEntrez Gene 236539 MouseEntrez Gene 26227 Human

O43175

Background: This gene encodes the enzyme which is involved in the early steps of L-serine synthesis in

animal cells. L-serine is required for D-serine and other amino acid synthesis. The enzyme requires NAD/NADH as a cofactor and forms homotetramers for activity. Mutations in this gene have been found in a family with congenital microcephaly, psychomotor retardation and other symptoms. Multiple alternatively spliced transcript variants have been found,

however the full-length nature of most are not known.

Synonyms: 3-PGDH; 3PGDH; HEL-S-113; NLS; NLS1; PDG; PGDD; PGDH; PHGDHD; SERA



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

CN: techsupport@origene.cn

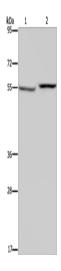
Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



Protein Families: Druggable Genome, Stem cell - Pluripotency

Protein Pathways: Glycine, serine and threonine metabolism, Metabolic pathways

Product images:



Gel: 8%SDS-PAGE Lysate: 40 μg

Lane 1-2: NIH/3T3 cells

A431 cells

Primary antibody: TA351523 (PHGDH Antibody)

at dilution 1/400

Secondary antibody: Goat anti rabbit IgG at

1/8000 dilution

Exposure time: 1 minute