OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TA802519

GAPDH Mouse Monoclonal Antibody [Clone ID: OTI2D9]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2D9
Applications:	WB
Recommended Dilution:	WB 1:500000 @1mg/ml (Hypersensitive substrate ECL)
Reactivity:	Human, Mouse, Rat, Dog, Monkey
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human GAPDH (NP_002037) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	35.9 kDa
Gene Name:	glyceraldehyde-3-phosphate dehydrogenase
Database Link:	NP_002037 Entrez Gene 14433 MouseEntrez Gene 24383 RatEntrez Gene 403755 DogEntrez Gene 574353 MonkeyEntrez Gene 2597 Human P04406

View online »

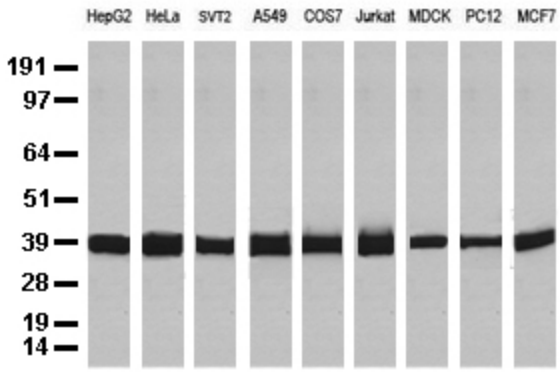
Background: The product of this gene catalyzes an important energy-yielding step in carbohydrate metabolism, the reversible oxidative phosphorylation of glyceraldehyde-3-phosphate in the presence of inorganic phosphate and nicotinamide adenine dinucleotide (NAD). The enzyme exists as a tetramer of identical chains. Many pseudogenes similar to this locus are present in the human genome. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2012]

Synonyms: G3PD; GAPD; HEL-S-162eP

Protein Families: ES Cell Differentiation/IPS

Protein Pathways: Alzheimer's disease, Glycolysis / Gluconeogenesis, Metabolic pathways

Product images:



Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-GAPDH monoclonal antibody.

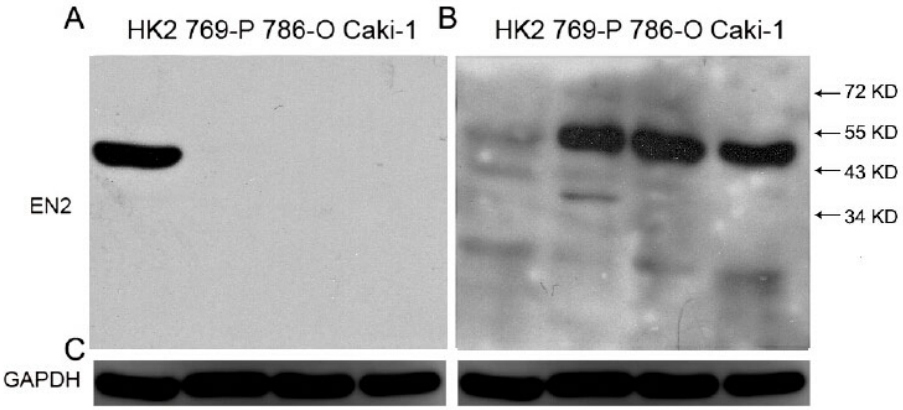


Figure from citation: Western Blot of GAPDH protein level by using anti-GAPDH antibody in human renal cells. View Citation

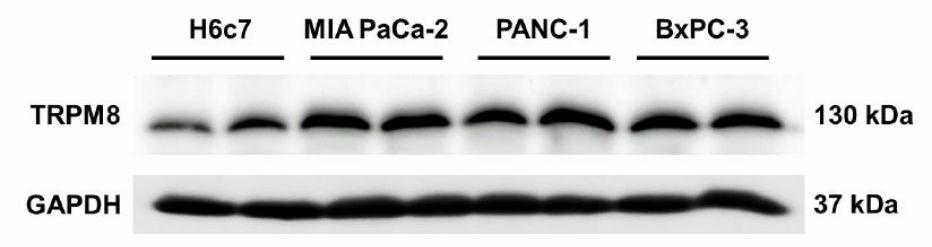


Figure from citation: Western Blot of GAPDH protein level by using anti-GAPDH antibody in human pancreatic adenocarcinoma cell lines. Dilution: 1:2500 View Citation

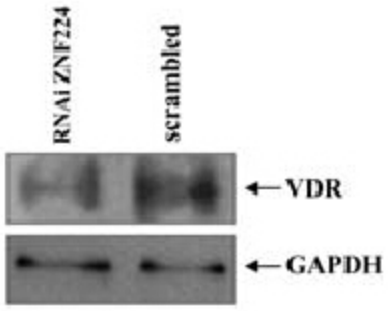


Figure from citation: Western Blot of GAPDH protein level by using anti-GAPDH antibody in human K562 cells. Dilution: 1:1000 View Citation

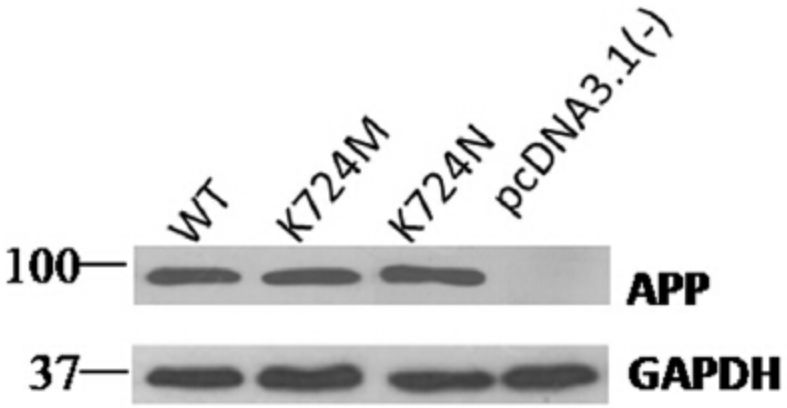


Figure from citation: Western Blot of GAPDH protein level by using anti-GAPDH antibody in HEK293 cells. Dilution: 1:500 View Citation

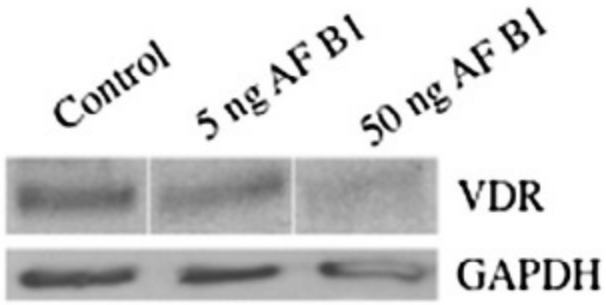


Figure from citation: Western blot analysis of GAPDH protein level by using anti-GAPDH antibody in SAOS-2 cells. Dilution: 1:2000 View Citation

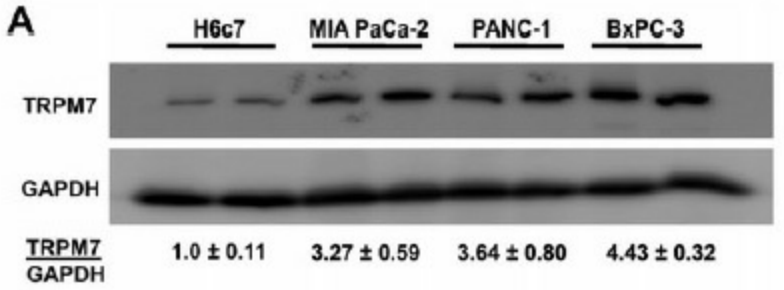


Figure from citation: Western blot analysis of GAPDH protein level by using anti-GAPDH antibody (TA802519) in various cell lines, GAPDH used as loading control. View Citation

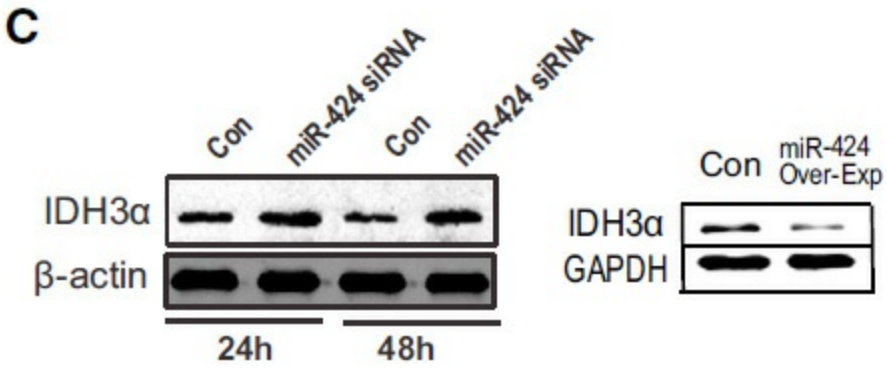


Figure from citation: Western blot analysis of GAPDH protein level by using anti-GAPDH antibody in fibroblasts, GAPDH used as loading control. View Citation