

Product datasheet for **TA802519AM**

GAPDH Mouse Monoclonal Antibody (Biotin conjugated) [Clone ID: OTI2D9]

Product data:

| | |
|-------------------------|--|
| Product Type: | Primary Antibodies |
| Clone Name: | OTI2D9 |
| Applications: | WB |
| Recommended Dilution: | WB 1:2000 |
| 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: | 0.5 mg/ml |
| Purification: | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G) |
| Conjugation: | Biotin |
| 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 Mouse Entrez Gene 24383 Rat Entrez Gene 403755 Dog Entrez Gene 574353 Monkey Entrez 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:

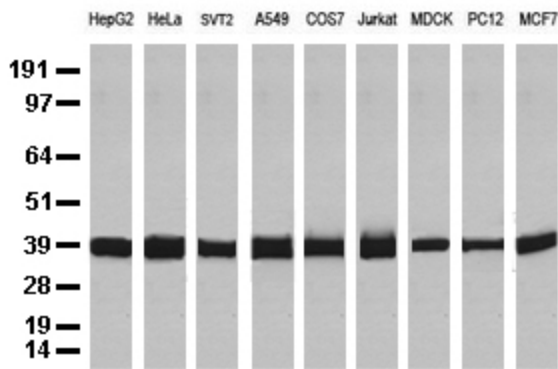
G3PD; GAPD; HEL-S-162eP

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.

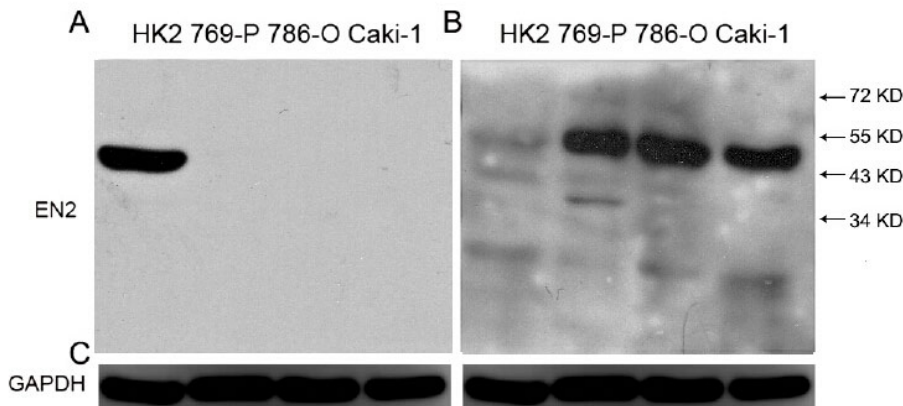


Figure from citation: Western Blot of GAPDH protein level by using anti-GAPDH antibody in human renal cells. [View Citation](#)

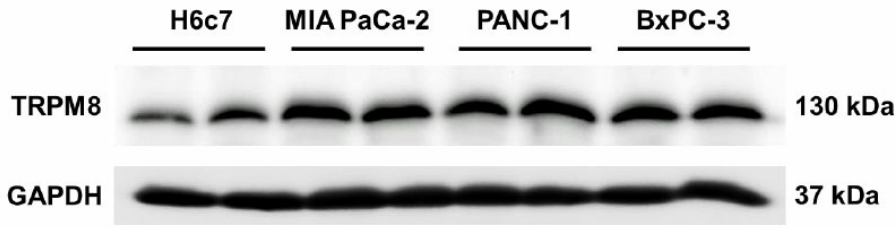


Figure from citation: Western Blot of GAPDH protein level by using anti-GAPDH antibody in human pancreatic adenocarcinoma cell lines. Dilution: 1:2500 [View Citation](#)

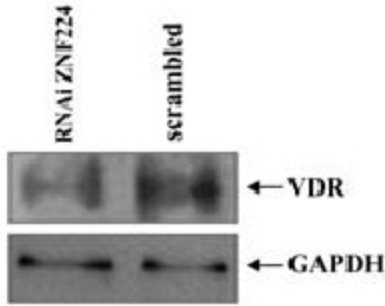


Figure from citation: Western Blot of GAPDH protein level by using anti-GAPDH antibody in human K562 cells. Dilution: 1:1000 [View Citation](#)

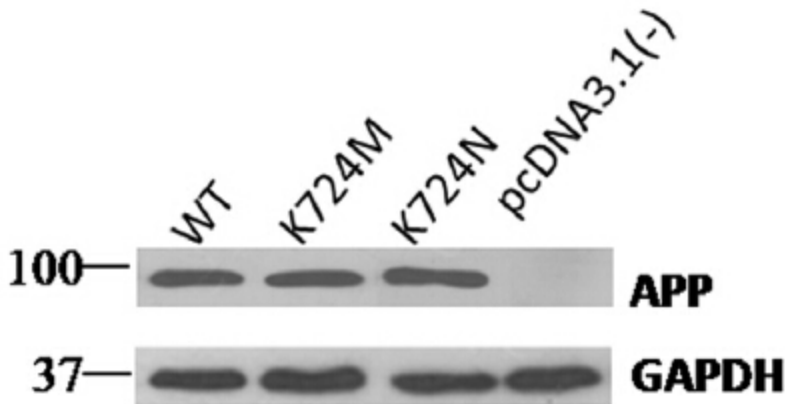


Figure from citation: Western Blot of GAPDH protein level by using anti-GAPDH antibody in HEK293 cells. Dilution: 1:500 [View Citation](#)

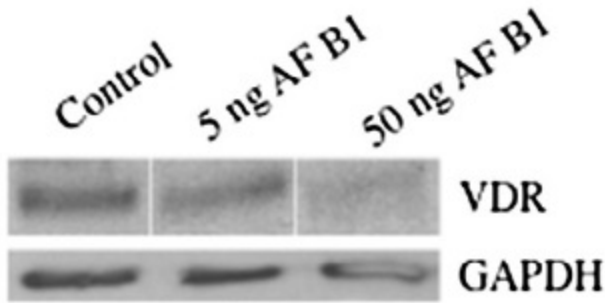


Figure from citation: Western blot analysis of GAPDH protein level by using anti-GAPDH antibody in SAOS-2 cells. Dilution: 1:2000 [View Citation](#)

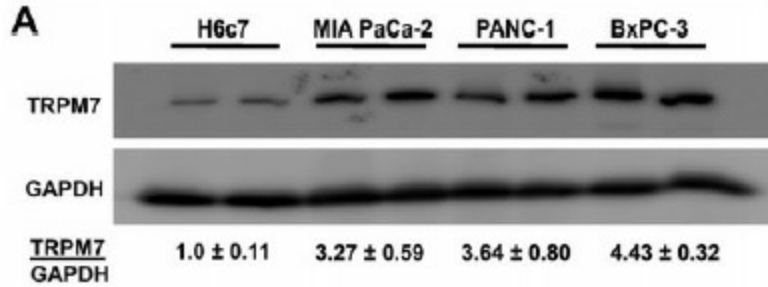


Figure from citation: Western blot analysis of GAPDH protein level by using anti-GAPDH antibody ([TA802519]) in various cell lines, GAPDH used as loading control. [View Citation](#)

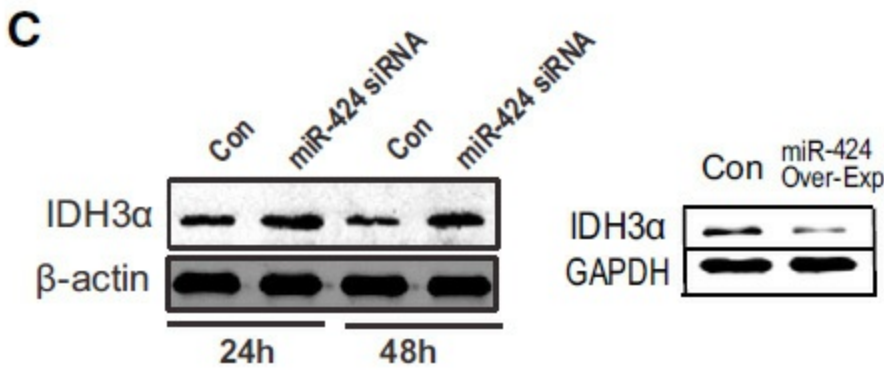


Figure from citation: Western blot analysis of GAPDH protein level by using anti-GAPDH antibody in fibroblasts, GAPDH used as loading control. [View Citation](#)