

## Product datasheet for **TA802563S**

### **GAPDH Mouse Monoclonal Antibody [Clone ID: OTI2F8]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	OTI2F8
Applications:	IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:150
Reactivity:	Human, Mouse, Rat
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:	<a href="#">NP_002037</a> <a href="#">Entrez Gene 14433 Mouse</a> <a href="#">Entrez Gene 24383 Rat</a> <a href="#">Entrez Gene 2597 Human</a> <a href="#">P04406</a>
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]



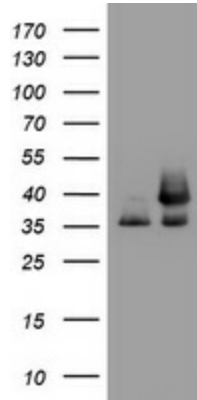
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**Synonyms:** G3PD; GAPD; HEL-S-162eP

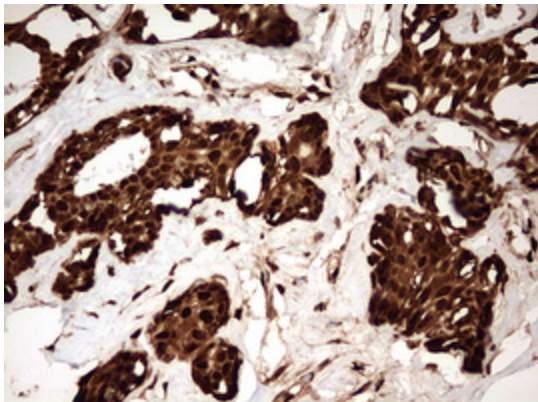
**Protein Families:** ES Cell Differentiation/IPS

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

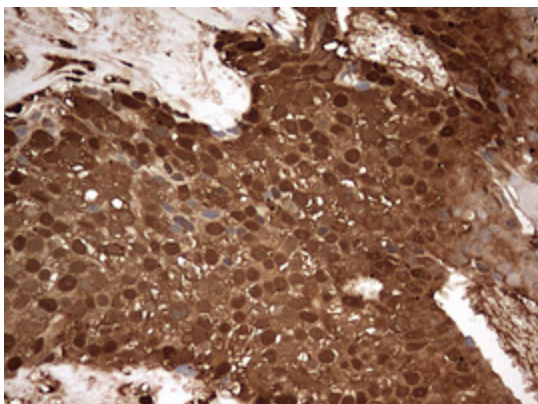
**Product images:**



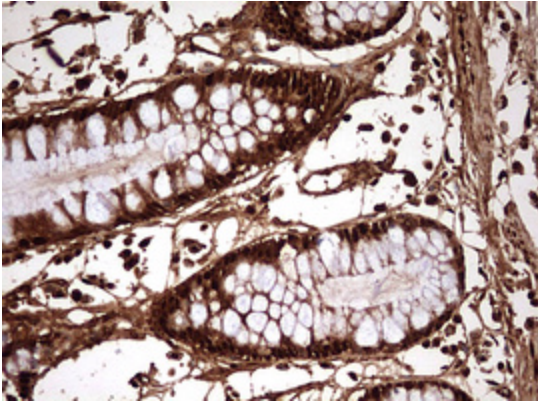
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY GAPDH (Cat# [RC202309], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-GAPDH (Cat# [TA802563]). Positive lysates [LY419567] (100ug) and [LC419567] (20ug) can be purchased separately from OriGene.



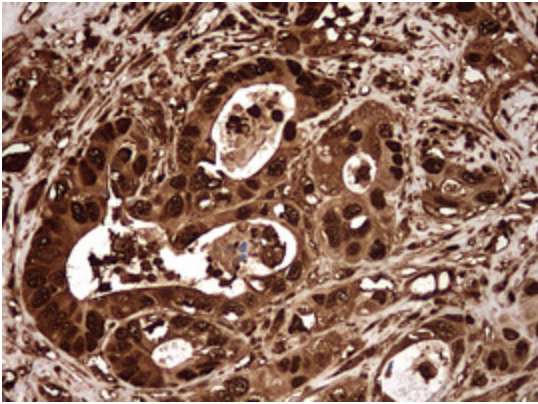
Immunohistochemical staining of paraffin-embedded Human breast tissue within the normal limits using anti-GAPDH mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA802563])



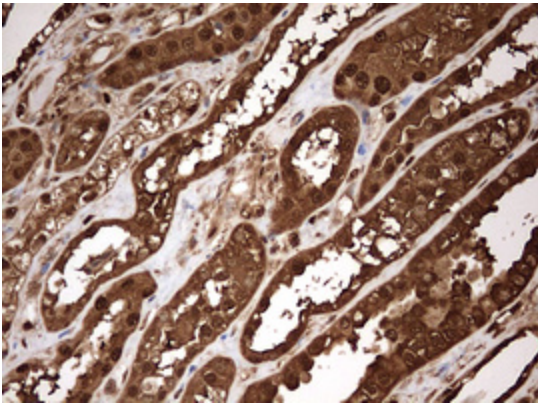
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human breast tissue using anti-GAPDH mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA802563])



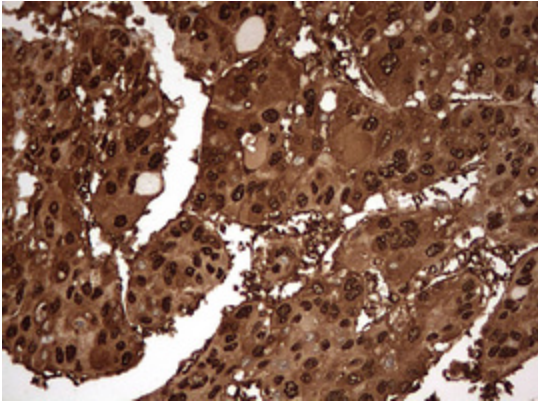
Immunohistochemical staining of paraffin-embedded Human colon tissue within the normal limits using anti-GAPDH mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA802563])



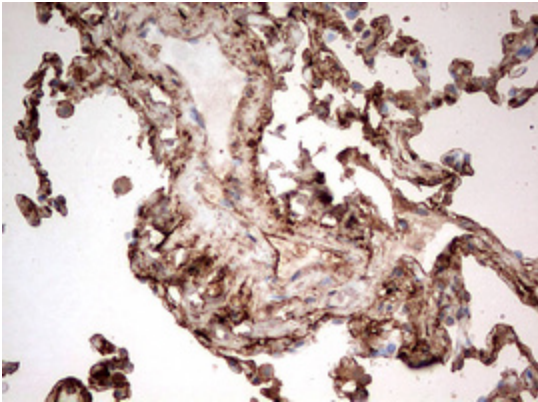
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-GAPDH mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA802563])



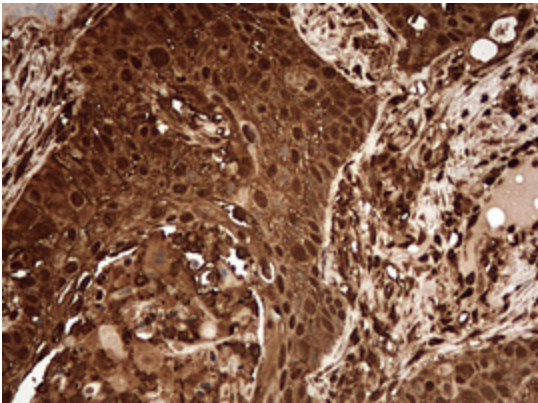
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-GAPDH mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA802563])



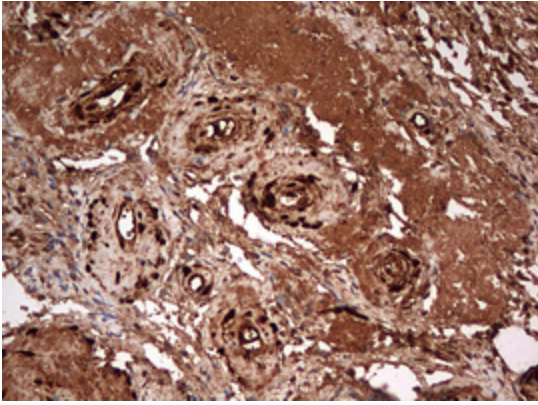
Immunohistochemical staining of paraffin-embedded Carcinoma of Human liver tissue using anti-GAPDH mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA802563])



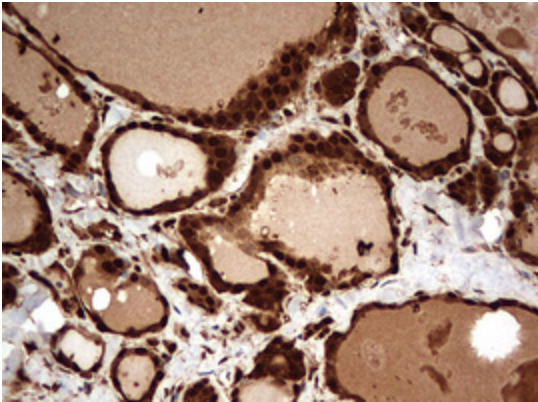
Immunohistochemical staining of paraffin-embedded Human lung tissue within the normal limits using anti-GAPDH mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA802563])



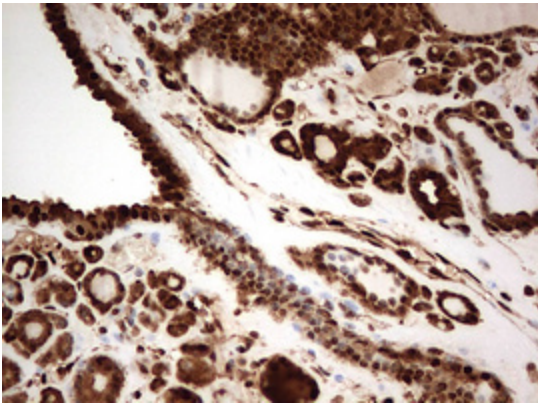
Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-GAPDH mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA802563])



Immunohistochemical staining of paraffin-embedded Human Ovary tissue within the normal limits using anti-GAPDH mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA802563])



Immunohistochemical staining of paraffin-embedded Human thyroid tissue within the normal limits using anti-GAPDH mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA802563])



Immunohistochemical staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-GAPDH mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA802563])