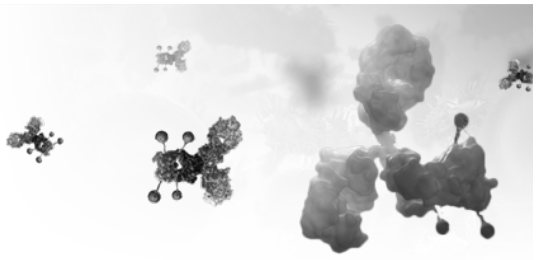

# Anti-GAPDH polyclonal antibody (CPBT-67410SH)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

| | |
|---|---|
| **Product Overview** | Sheep anti Human GAPDH antibody recognizes glyceraldehyde 3-phosphate dehydrogenase (GAPDH), a 36kDa cytoplasmic protein which functions an important enzyme in glycolysis. GAPDH is additionally involved in a number of other cellular processes such as transcription activation, initiation of apoptosis and membrane trafficking. Sheep anti Human GAPDH antibody recognizes human (erythrocyte), rabbit (muscle) and bacterial (B.stearothermophilus and E.coli) GAPDH in ELISA. |
| **Specificity** | GAPDH |
| **Immunogen** | 12 amino acid synthetic peptide (HQVVSSDFNSDT) representing the most conserved region of human and rat GAPDH, conjugated with KLH. |
| **Isotype** | IgG |
| **Source/Host** | Sheep |
| **Species Reactivity** | Human, Bacterial, Rabbit, Rat |
| **Conjugate** | Unconjugated |
| **Applications** | ELISA |
| **Format** | Purified IgG - liquid |
| **Size** | 1 ml |
| **Preservative** | 0.09% Sodium Azide |
| **Storage** | in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. |

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

# GENE INFORMATION

| | |
|---|---|
| **Gene Name** | GAPDH glyceraldehyde-3-phosphate dehydrogenase [ Homo sapiens (human) ] |
| **Official Symbol** | GAPDH |
| **Synonyms** | GAPDH; glyceraldehyde-3-phosphate dehydrogenase; G3PD; GAPD; HEL-S-162eP; aging-associated gene 9 protein; peptidyl-cysteine S-nitrosylase GAPDH; epididymis secretory sperm binding protein Li 162eP; |
| **Entrez Gene ID** | 2597 |
| **Protein Refseq** | NP_001243728 |
| **UniProt ID** | P04406 |
| **Chromosome Location** | 12p13 |
| **Pathway** | Alzheimers disease; Alzheimers Disease; Biosynthesis of amino acids; Carbon metabolism; Disease; Gluconeogenesis; Gluconeogenesis, oxaloacetate => fructose-6P; Glucose metabolism; |
| **Function** | NAD binding; NADP binding; glyceraldehyde-3-phosphate dehydrogenase (NAD+) (phosphorylating) activity; identical protein binding; microtubule binding; peptidyl-cysteine S-nitrosylase activity; protein binding; |

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