

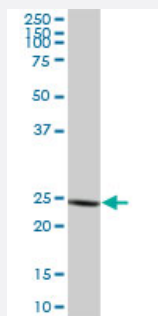
MaxPab®

GSTA3 MaxPab mouse polyclonal antibody (B01P)

Catalog # H00002940-B01P

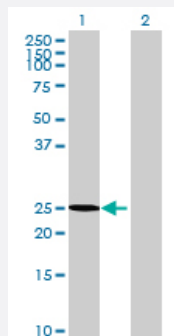
Size 50 ug

Applications



Western Blot (Tissue lysate)

GSTA3 MaxPab polyclonal antibody. Western Blot analysis of GSTA3 expression in human liver.



Western Blot (Transfected lysate)

Western Blot analysis of GSTA3 expression in transfected 293T cell line ([H00002940-T01](#)) by GSTA3 MaxPab polyclonal antibody.

Lane 1: GSTA3 transfected lysate(24.42 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human GSTA3 protein.
Immunogen	GSTA3 (AAH20619.1, 1 a.a. ~ 222 a.a) full-length human protein.
Sequence	MAGKPKLHYFNNGRGRMEPIRWLLAAAGVEFEEKFIGSAEDLGKLRNDGSLMFQQVPMVEIDGIKL VQTRAILNYASKYNLYGKDIKERALIDMYTEGMADLNEMILLPLCRPEEKDAKIALIKEKTKSRYFP AFEKVLQSHGQDYLVGKLSRADISLVELLYVEELDSSLISNFPLLKALKTRISNLPTVKKFLQPG SPRKPPADAKALEEARKIFRF
Host	Mouse
Reactivity	Human

Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

GSTA3 MaxPab polyclonal antibody. Western Blot analysis of GSTA3 expression in human liver.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of GSTA3 expression in transfected 293T cell line ([H00002940-T01](#)) by GSTA3 MaxPab polyclonal antibody.

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[Protocol Download](#)

Gene Info — GSTA3

Entrez GeneID	2940
GeneBank Accession#	BC020619.1
Protein Accession#	AAH20619.1
Gene Name	GSTA3
Gene Alias	GSTA3-3, GTA3, MGC22232
Gene Description	glutathione S-transferase alpha 3
Omim ID	605449
Gene Ontology	Hyperlink

Gene Summary

Cytosolic and membrane-bound forms of glutathione S-transferase are encoded by two distinct supergene families. These enzymes are involved in cellular defense against toxic, carcinogenic, and pharmacologically active electrophilic compounds. At present, eight distinct classes of the soluble cytoplasmic mammalian glutathione S-transferases have been identified: alpha, kappa, mu, omega, pi, sigma, theta and zeta. This gene encodes a glutathione S-transferase belonging to the alpha class genes that are located in a cluster mapped to chromosome 6. Genes of the alpha class are highly related and encode enzymes with glutathione peroxidase activity. However, during evolution, this alpha class gene diverged accumulating mutations in the active site that resulted in differences in substrate specificity and catalytic activity. The enzyme encoded by this gene catalyzes the double bond isomerization of precursors for progesterone and testosterone during the biosynthesis of steroid hormones. An additional transcript variant has been identified, but its full length sequence has not been determined. [provided by RefSeq]

Other Designations

GST class-alpha|OTTHUMP00000016615|S-(hydroxyalkyl)glutathione lyase A3|glutathione S-alkyltransferase A3|glutathione S-alkyltransferase A3|glutathione S-aryltransferase A3|glutathione S-transferase A3-3

Pathway

- [Drug metabolism - cytochrome P450](#)
- [Glutathione metabolism](#)
- [Metabolism of xenobiotics by cytochrome P450](#)

Disease

- [Alzheimer disease](#)
- [Cognition](#)
- [Lung Neoplasms](#)