

DNAXPab

Hard-to-Find
Antibody

GSTA3 DNAXPab

Catalog # H00002940-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human GSTA3 DNA using DNAX™ Immune technology.
Technology	DNAX™ Immune
Immunogen	Full-length human DNA
Sequence	MAGKPKLHYFNGRGRMEPIRWLLAAAGVEFEEKFIGSAEDLGKLRNDGSLMFQQVPMVEIDGIKL VQTRAILNYASKYNLYGKDIKERALIDMYTEGMADLNEMILLPLCRPEEKDAKIALIKEKTKSRYFP AFEKVLQSHGQDYLVGNKLSRADISLVELLYYVEELDSSLISNFPLLKALKTRISNLPTVKKFLQPG SPRKPPADAKALEEARKIFRF
Host	Rabbit
Reactivity	Human
Purification	Protein A
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 (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — GSTA3

Entrez GeneID [2940](#)

GeneBank Accession# [BC020619](#)

Protein Accession# [AAH20619](#)

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-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](#)