



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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GSTA3 monoclonal antibody (M01), clone 1F11

Catalog # : H00002940-M01

規格 : [100 ug]

[List All](#)

Specification

Product Description: Mouse monoclonal antibody raised against a full length recombinant GSTA3.

Immunogen: GSTA3 (AAH20619, 1 a.a. ~ 222 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

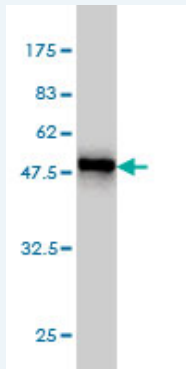
Sequence: MAGKPKLHYFNDRGRMEPIRWLLAAGVVEFEKFIGSAEDLGKLRNDGS
LMFQQVPMVEIDGIKLVQTRAILNYASKYNLYGKDIKERALIDMYTEGMAD
LNEMILLPLCRPEEKDAKIALIKEKTKSRYFPAFEKVLQSHGQDYLVGNK
LSRADISLVELLYVEELDSSLISNFPLLKALKTRISNLPVKKFLQPGSPR
KPPADAKALEEARKIFRF

Host: Mouse

Reactivity: Human

Isotype: IgG2a Kappa

Quality Control Testing: Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (50.16 KDa) .

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

MSDS: [Download](#)

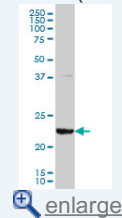
Datasheet: [Download](#)

Applications

Western Blot (Cell lysate)

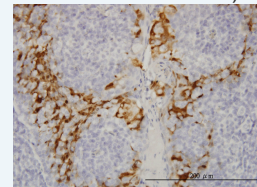
Application Image

Western Blot (Cell lysate)

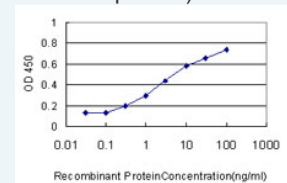


Western Blot (Recombinant protein)

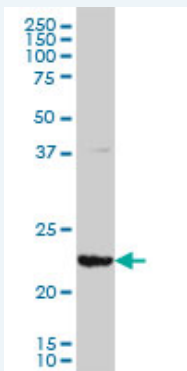
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)



Sandwich ELISA (Recombinant protein)



ELISA



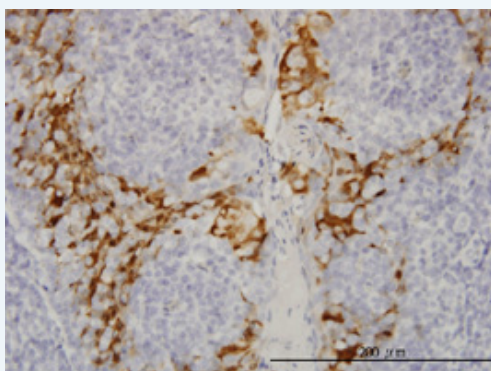
GSTA3 monoclonal antibody (M01), clone 1F11 Western Blot analysis of GSTA3 expression in HepG2 (Cat # L019V1).

[Protocol Download](#)

Western Blot (Recombinant protein)

[Protocol Download](#)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

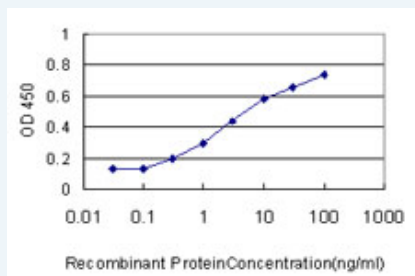


[enlarge this image](#)

Immunoperoxidase of monoclonal antibody to GSTA3 on formalin-fixed paraffin-embedded human tonsil. [antibody concentration 3 ug/ml]

[Protocol Download](#)

Sandwich ELISA (Recombinant protein)



Detection limit for recombinant GST tagged GSTA3 is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

ELISA

Gene Information

Entrez GeneID: [2940](#)

GeneBank [BC020619](#)

Accession#:

Protein [AAH20619](#)

Accession#:

Gene Name: GSTA3

Gene Alias: GSTA3-3,GTA3,MGC22232

Gene glutathione S-transferase alpha 3

Description:

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-aralkyltransferase A3, glutathione S-aryltransferase A3, glutathione S-transferase A3-3

Gene Pathway

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

Related Disease

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