



Datasheet for ABIN2855818
anti-GSTA4 antibody



[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	GSTA4
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GSTA4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human GSTA4. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Pig
Characteristics:	Rabbit Polyclonal antibody to GSTA4 (glutathione S-transferase alpha 4) GSTA4 antibody [N1C3]
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	GSTA4
Alternative Name:	glutathione S-transferase alpha 4 (GSTA4 Products)

Target Details

Background: 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. The alpha class genes, which are located in a cluster on chromosome 6, are highly related and encode enzymes with glutathione peroxidase activity that function in the detoxification of lipid peroxidation products. Reactive electrophiles produced by oxidative metabolism have been linked to a number of degenerative diseases including Parkinson's disease, Alzheimer's disease, cataract formation, and atherosclerosis.

Cellular Localization: Cytoplasm

Molecular Weight: 26 kDa

Gene ID: 2941

UniProt: [O15217](#)

Application Details

Application Notes: WB: 1:500-1:3000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.

Comment: Positive Control: 293T

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: 0.1M Tris-Glycine (pH 7), 10 % Glycerol, 0.01 % Thimerosal

Preservative: Thimerosal (Merthiolate)

Precaution of Use: This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

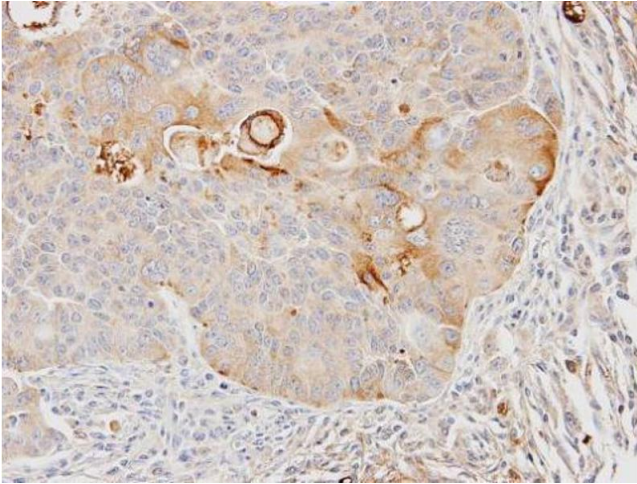
Storage: 4 °C,-20 °C

Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage

Handling

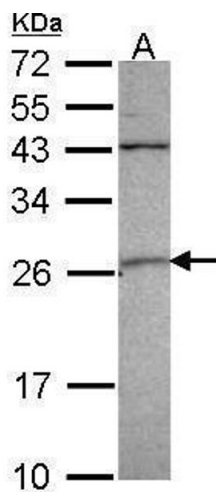
(1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Images



Immunohistochemistry

Image 1. IHC-P Image Immunohistochemical analysis of paraffin-embedded SW480 xenograft, using GSTA4, antibody at 1:100 dilution.



Western Blotting

Image 2. WB Image Sample (30 ug of whole cell lysate) A: 293T 12% SDS PAGE GST A4 antibody antibody diluted at 1:1000