

GSTCD Rabbit pAb

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Catalog # AP59044

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q8NEC7
Predicted	Rat, Pig, Dog, Human, Mouse, Rabbit, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	71079
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human GSTCD
Epitope Specificity	151-250/633
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Glutathione (GSH) is a tripeptide antioxidant that reduces disulfide bonds between cytoplasmic proteins. The constitutive enzyme glutathione reductase transforms glutathione into its reduced state, which ultimately can provide a measure of cellular toxicity. GSTCD (glutathione S-transferase, C-terminal domain containing) is a 633 amino acid protein belonging to the GSTCD family and contains one GST C-terminal domain. The gene encoding GSTCD maps to human chromosome 4, which represents approximately 6% of the human genome and contains nearly 900 genes. Notably, the Huntingtin gene, which is found to encode an expanded glutamine tract in cases of Huntington's disease, is on chromosome 4. FGFR-3 is also encoded on chromosome 4 and has been associated with thanatophoric dwarfism, achondroplasia, Muenke syndrome and bladder cancer. Chromosome 4 is also tied to Ellis-van Creveld syndrome, methylmalonic acidemia and polycystic kidney disease.

Additional Information

Gene ID	79807
Other Names	Glutathione S-transferase C-terminal domain-containing protein, GSTCD
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	GSTCD
Cellular Location	Cytoplasm.
Tissue Location	Widely expressed in cell types relevant to airway function, including airway smooth muscle cells and epithelial cells

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.