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Rabbit Anti-FGGY antibody

SL11689R

Product Name:	FGGY
Chinese Name:	肌萎缩侧索硬化症相关蛋白FGGY抗体
Alias:	fggy; FGGY carbohydrate kinase domain containing; FGGY carbohydrate kinase domain-containing protein; FGGY_HUMAN; FLJ10986; MGC94804; OTTHUMP00000010078; OTTHUMP00000010081; OTTHUMP00000010082; OTTHUMP00000202071; RP11-242B9.1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,Horse,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	60kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human FGGY:151-250/551
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	FGGY is a 551 amino acid member of the FGGY kinase family that exists as four isoforms which are produced by alternative splicing events. Expressed in lung, kidney, small intestine, liver and fetal brain, FGGY is encoded by a gene that maps to chromosome 1 and, when mutated, is associated with sporadic amyotrophic lateral

sclerosis (ALS). ALS is a neurodegenerative disorder that affects motor neurons and results in fatal paralysis, usually within 2 to 5 years after initial diagnosis. Chromosome 1, on which the gene encoding FGGY is located, is the largest human chromosome, spanning about 260 million base pairs and making up 8% of the human genome. There are about 3,000 genes on chromosome 1, many of which are associated with genetic diseases, including Hutchinson-Gilford progeria, familial adenomatous polyposis, Stickler syndrome, Gaucher disease and Usher syndrome.

Function:
Expressed in kidney, lung and small intestine and to a lower extent in liver and detected in cerebrospinal fluid (at protein level).

Tissue Specificity:
Expressed in fetal brain (at protein level).

DISEASE:
Defects in FGGY are associated with sporadic amyotrophic lateral sclerosis (ALS) [MIM:105400]. Amyotrophic lateral sclerosis is a neurodegenerative disorder affecting upper and lower motor neurons and resulting in fatal paralysis. Sensory abnormalities are absent. Death usually occurs within 2 to 5 years. The etiology of amyotrophic lateral sclerosis is likely to be multifactorial, involving both genetic and environmental factors.

Similarity:
Belongs to the FGGY kinase family.

SWISS:
Q96C11

Gene ID:
55277

Database links:

Entrez Gene: 772383Chicken

Entrez Gene: 534011Cow

Entrez Gene: 100067351Horse

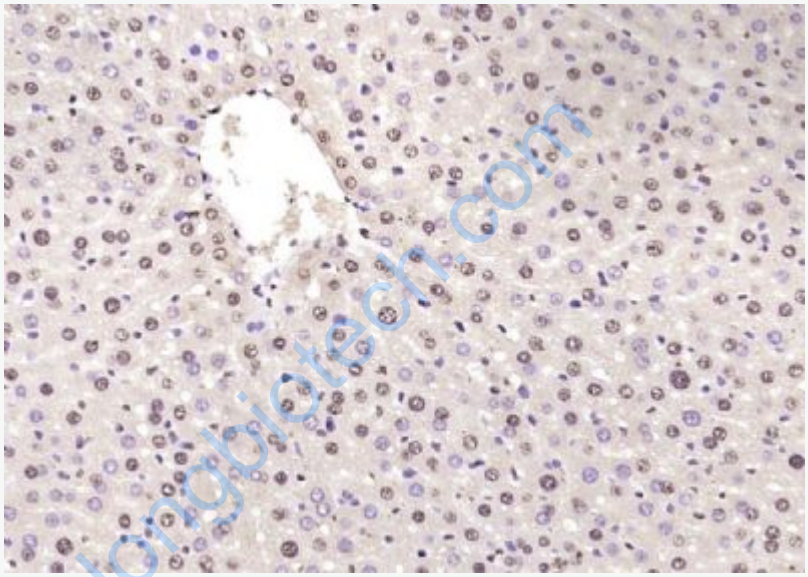
Entrez Gene: 55277Human

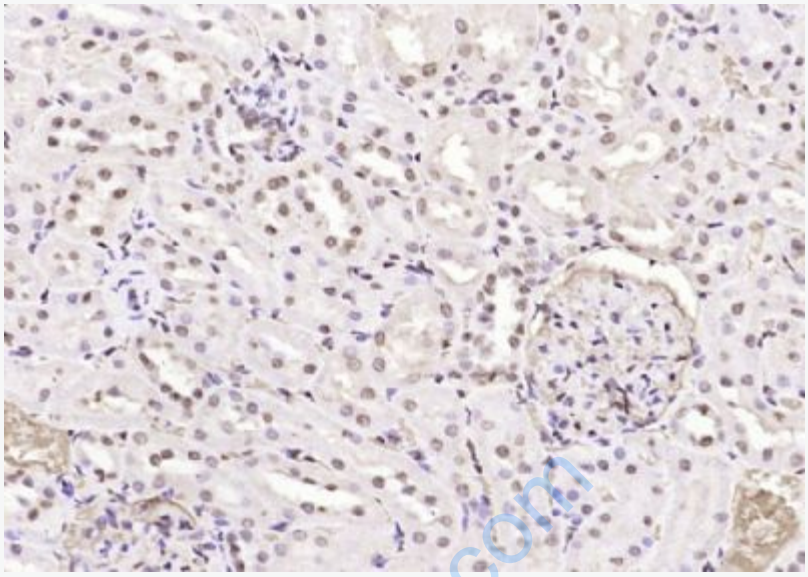
Entrez Gene: 75578Mouse

Entrez Gene: 298250Rat

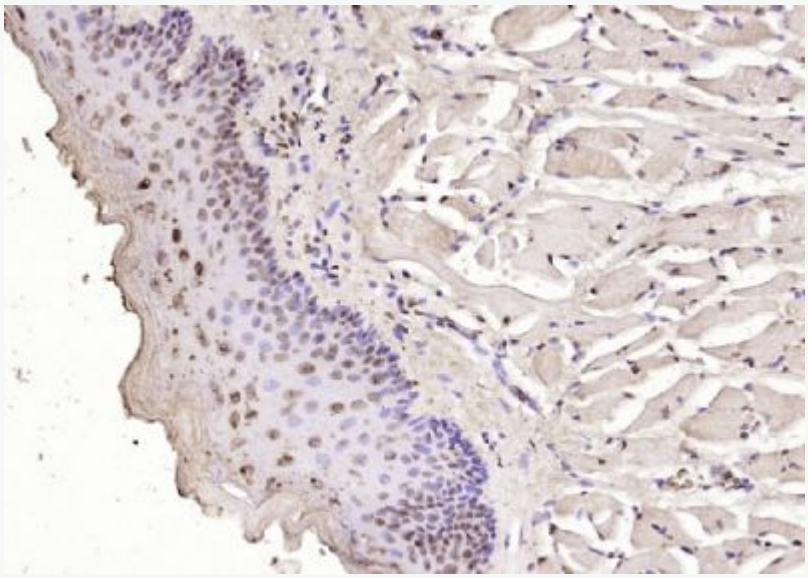
Entrez Gene: 406567Zebrafish

Omim: 611370Human

	SwissProt: Q96C11Human SwissProt: A2AJL3Mouse **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Picture:	 Paraformaldehyde-fixed, paraffin embedded (mouse liver tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (FGGY) Polyclonal Antibody, Unconjugated (SL11689R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat kidney tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (FGGY) Polyclonal Antibody, Unconjugated (SL11689R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



	Paraformaldehyde-fixed, paraffin embedded (rat tongue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (FGGY) Polyclonal Antibody, Unconjugated (SL11689R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.