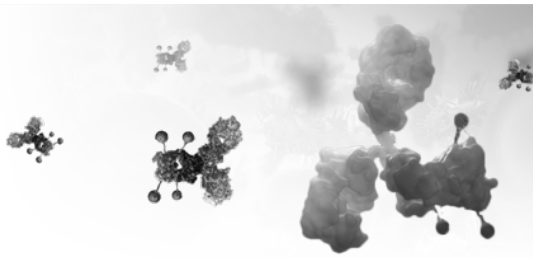

Anti-GAD2 (C-terminal) polyclonal antibody (CPBT-66709RG)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	This product recognises both molecular forms of glutamate decarboxylase, GAD1 (GAD67) and GAD2 (GAD65), the enzyme which converts glutamic acid to gamma -aminobutyric acid (GABA), the major inhibitory transmitter in the higher brain region.
Specificity	GLUTAMATE DECARBOXYLASE 1/2
Immunogen	Synthetic peptide sequence D-F-L-I-E-E-I-E-R-L-G-Q-D-L from the C terminus of rat GAD2
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Rat, Cat, Human, Mouse
Conjugate	Unconjugated
Applications	IHC-Fr; ELISA; IF; IHC-P; WB
Format	Purified IgG - liquid
Size	100 µl
Preservative	0.09% Sodium Azide
Storage	in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

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Gene Name	Gad2 glutamate decarboxylase 2 [Rattus norvegicus (Norway rat)]
Official Symbol	GAD2
Synonyms	GAD2; glutamate decarboxylase 2; gad65; GAD-65; glutamic acid decarboxylase 2; glutamic acid decarboxylase 65; Glutamate decarboxylase 2 (islet); 65 kDa glutamic acid decarboxylase; glutamate decarboxylase 65 kDa isoform; GLUTAMATE DECARBOXYLASE 1/2;
Entrez Gene ID	24380
Protein Refseq	NP_036695
UniProt ID	Q05683
Chromosome Location	17q12.3
Pathway	Alanine and aspartate metabolism; Alanine, aspartate and glutamate metabolism; Biogenic Amine Synthesis; Butanoate metabolism; GABA (gamma-Aminobutyrate) shunt; GABA synthesis; GABA synthesis, release, reuptake and degradation; GABAergic synapse;
Function	glutamate binding; glutamate decarboxylase activity; protein heterodimerization activity; pyridoxal phosphate binding;

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