

## Product datasheet for **TA807705**

### CGK2 (PRKG2) Mouse Monoclonal Antibody [Clone ID: OTI10D5]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI10D5
Applications:	WB
Recommended Dilution:	WB 1:500
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 40-320 of human PRKG2(NP_006250 produced in E.coli.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	87.3 kDa
Gene Name:	protein kinase, cGMP-dependent, type II
Database Link:	<a href="#">NP_006250</a> <a href="#">Entrez Gene 19092 Mouse</a> <a href="#">Entrez Gene 25523 Rat</a> <a href="#">Entrez Gene 5593 Human</a> <a href="#">Q13237</a>
Background:	This gene encodes a protein that belongs to the serine/threonine protein kinase family of proteins. The encoded protein plays a role in the regulation of fluid balance in the intestine. A similar protein in mouse is thought to regulate differentiation and proliferation of cells in the colon. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013]
Synonyms:	cGK2; cGKII; PRKGR2

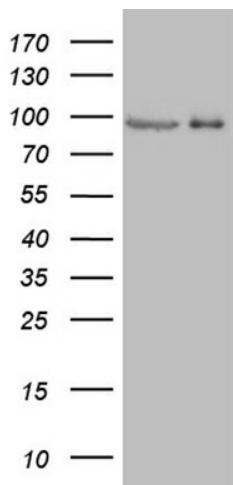


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**Protein Families:** Druggable Genome, Protein Kinase

**Protein Pathways:** Gap junction, Long-term depression, Olfactory transduction

**Product images:**



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY PRKG2 (Cat# [RC215879], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-PRKG2 (Cat# TA807705)(1:500). Positive lysates [LY401884] (100ug) and [LC401884] (20ug) can be purchased separately from OriGene.