CAB10445



Product Information

Product SKU:	CAB10445	Gene ID:	4881	Size:	20uL, 100uL	
Clone No:	-	Host Species:	Rabbit	Reactivity :	Human, Mouse, Rat	
Additional Information						

Observed MW:	160kDa	Conjugate:	Unconjugated
Calculated MW:	119kDa	lsotype:	lgG

Immunogen Information

Background:	Guanylyl cyclases, catalyzing the production of cGMP from GTP, are classified as soluble and membrane
	forms (Garbers and Lowe, 1994 [PubMed 7982997]). The membrane guanylyl cyclases, often termed
	guanylyl cyclases A through F, form a family of cell-surface receptors with a similar topographic
	structure: an extracellular ligand-binding domain, a single membrane-spanning domain, and an
	intracellular region that contains a protein kinase-like domain and a cyclase catalytic domain. GC-A and
	GC-B function as receptors for natriuretic peptides; they are also referred to as atrial natriuretic peptide
	receptor A (NPR1) and type B (NPR2; MIM 108961). Also see NPR3 (MIM 108962), which encodes a
	protein with only the ligand-binding transmembrane and 37-amino acid cytoplasmic domains. NPR1 is
	a membrane-bound guanylate cyclase that serves as the receptor for both atrial and brain natriuretic
	peptides (ANP (MIM 108780) and BNP (MIM 600295), respectively).
Recommended Dilution:	WB,1:500 - 1:2000
Synonyms:	ANPa; NPRA; ANPRA; GUC2A; GUCY2A; NPR1
Purifcation Method:	Affinity purification
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 260-470 of human
	NPR1 (NP_000897.3).
Storage:	Store at -20°C. Avoid freeze / thaw cycles.Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.