

Catalog No. LF-MA0081

MONOCLONAL ANTIBODY



## Anti-Diazepam Binding Inhibitor (27C9)

**Background :** Diazepam Binding Inhibitor (DBI) is a highly conserved 10 kDa polypeptide which is expressed in various species range from yeast to mammals. As an inverse agonist for benzodiazepine receptors, DBI downregulates inhibitory effects of GABA. It also has potential to induce anxiety. Found in central and peripheral tissues, DBI also participates in metabolism of steroids, which has been known to partially modify GABA<sub>A</sub> receptor function in the CNS. In peripheral tissues, DBI plays regulatory roles in steroidogenesis. DBI levels have been reported to be decreased in the cerebrospinal fluid obtained from patients with Alzheimer's disease.

**Immunogen :** Recombinant human GST-fusion protein purified from *E.coli*

**Host :** Mouse

**Clone number :** 27C9

**Isotype :** IgG2b, k

**Size :** 100ul

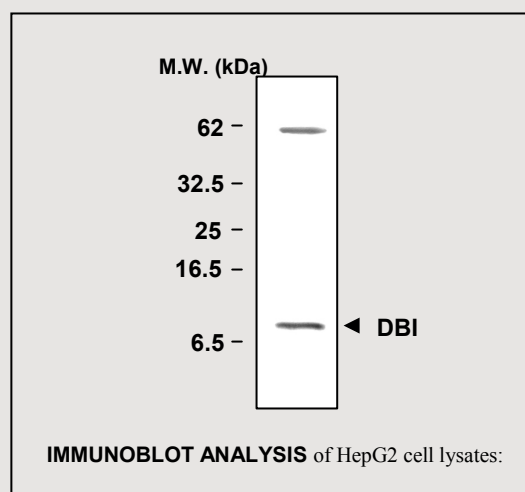
**Composition :** PBS containing 50% glycerol

**Positive control :** HepG2 cell lysates

**Storage :** Store for 1 year at -20°C from date of shipment

### Species cross reactivity

Human	Mouse	Rat
+	-	-



### Applications :

ELISA  
Western Blotting (1:100-500)  
Immunoprecipitation (1-2ug/ml lysates)  
Immunohistochemistry

### Background Reference :

- 1) Shoyab, M. et al (1986) J. Biol. Chem. 261: 11968-11973
- 2) Gray, P.W. et al (1986) Proc. Nat. Acad. Sci. 83: 7547-7551
- 3) Ohkuma, S. et al (2001) Life Science 68: 1215-1222

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