

Catalog No. LF-MA0078

MONOCLONAL ANTIBODY



## Anti-CSPS (3F10) (Catecholamine-Sulfating Phenol Sulfotransferase)

**Background :** The human Catecholamine-Sulfating Phenol Sulfotransferase (CSPS) is the only sulfotransferase that catalyses the sulfation of catecholamins, in particular the neurotransmitter dopamine, with high activity. CSPS is required for stimulation by  $Mn^{2+}$  of the sulfating activity and expressed in the human intestine, brain, platelet and other tissues. In the brain it may play a role in regulating the levels of dopamine. It also serves as a detoxifying function in the intestine, where it may detoxify potentially lethal dietary monoamines.

**Immunogen :** Recombinant human protein purified from *E.coli*

**Host :** Mouse

**Clone number :** 3F10

**Isotype :** IgG2b, k

**Size :** 100ul

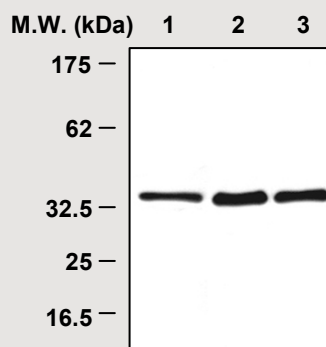
**Composition :** PBS containing 50% glycerol

**Positive control :** Mouse brain extract

**Storage :** store for 1 year at  $-20^{\circ}C$  from date of shipment

### Species cross reactivity

Human	Mouse	Rat
-	+	+



IMMUNOPRECIPITATION ANALYSIS of Brain tissue extracts:

Lane 1: Input

Lane 2: Precipitates (Mouse brain)

Lane 3: Precipitates (Rat brain)

Immunoblot : anti-CSPS polyclonal antibody (# LF-PA0081)

### Applications :

Immunoprecipitation (1-2ul/400ul lysates)

### Background Reference:

- 1) Pai, T.G. et al. (2003) J. Biol. Chem. 278, 1525-1532
- 2) Pai, T.G. et al. (2002) J. Biol. Chem. 277, 43813-43820
- 3) Coughtrie, M.W.H. (2002) Pharmacogenomics J. 2, 297-308

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