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Datasheet for ABIN5610817  
**anti-Valproic Acid antibody**

### Overview

Quantity:	1 mg
Target:	Valproic Acid
Reactivity:	Please inquire
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Valproic Acid antibody is un-conjugated
Application:	Enzyme Immunoassay (EIA)

### Product Details

Immunogen:	Valproic acid conjugated to KLH
Clone:	801
Isotype:	IgG1
Purification:	Protein G chromatography

### Target Details

Target:	Valproic Acid
Abstract:	<a href="#">Valproic Acid Products</a>
Target Type:	Chemical
Background:	Valproic acid, valproate sodium and divalproex belong to the group of medicines called anticonvulsants, used to control certain types of seizures in the treatment of epilepsy. Also,

## Target Details

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valproic acid relieves histone deacetylases (HDACs) dependent transcriptional repression and causes hyperacetylation of histones in cultured cells and in vivo. Valproic acid inhibits HDAC activity in vitro, most probably by binding to the catalytic centre of HDACs. Most importantly, valproic acid induces differentiation of carcinoma cells, transformed haematopoietic progenitor cells and leukaemic blasts from acute myeloid leukaemia patients. Moreover, tumour growth and metastasis formation are significantly reduced in animal experiments. Therefore, valproic acid might serve as an effective drug for cancer therapy.

## Application Details

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Application Notes: May be used in immunoassays to detect and quantitate valproic acid.  
Other applications not tested.  
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

## Handling

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Concentration: 1.2mg/mL (OD280nm)

Buffer: PBS, pH 7.4

Storage: -20 °C

Storage Comment: Store the antibody at -20 °C. Avoid repeated freezing and thawing.  
Shelf life: one year from despatch.

Expiry Date: 12 months