

## Mouse Monoclonal Antibody to AQP2

<b>Catalogue Number</b>	sAP-1641
<b>Target Molecule</b>	<b>Name: AQP2</b> <b>Aliases:</b> AQP-CD; WCH-CD <b>MW: 28.8kDa</b> <b>Entrez Gene ID: 359</b>
<b>Description</b>	This gene encodes a water channel protein located in the kidney collecting tubule. It belongs to the MIP/ aquaporin family, some members of which are clustered together on chromosome 12q13. Mutations in this gene have been linked to autosomal dominant and recessive forms of nephrogenic diabetes insipidus.
<b>Immunogen</b>	Purified recombinant fragment of human AQP2 (AA: 149-271) expressed in E. Coli.
<b>Reactive Species</b>	Human;
<b>Clone</b>	MM5B6B12
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide
<b>Reconstitution/Storages</b>	Reconstituted with 100µl sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage
<b>Applications</b>	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; ICC: N to A; FCM: N to A; IHC: N to A
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1.Reprod Fertil Dev. 2016 Mar;28(4):499-506.2.J Transl Med. 2014 May 19;12:133.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**