

ARG45314 anti-OGDHL antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Polyclonal antibody recognizes OGDHL
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Target Name	OGDHL
Species	Human
Immunogen	Recombinant protein containing to human OGDHL.
Conjugation	Un-conjugated
Alternate Names	OGDHL; Oxoglutarate Dehydrogenase L; 2-Oxoglutarate Dehydrogenase Complex Component E1-Like; 2-Oxoglutarate Dehydrogenase-Like, Mitochondrial; Alpha-Ketoglutarate Dehydrogenase-Like; Oxoglutarate Dehydrogenase Like; OGDC-E1-Like; EC 1.2.4.2 47; FLJ10851; KIAA1290; YOBELN

Application Instructions

Application table	Application	Dilution
	FACS	1 - 3 µg/10 ⁶ cells
	ICC/IF	5 µg/ml
	WB	0.1-0.25 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	100 kDa	

Properties

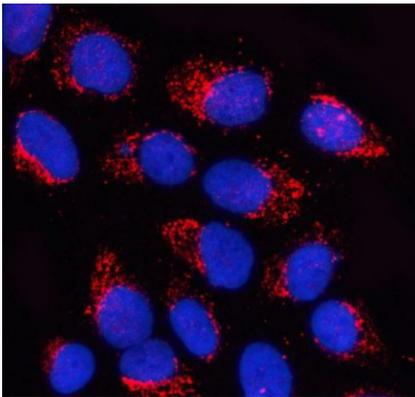
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na ₂ HPO ₄ , 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

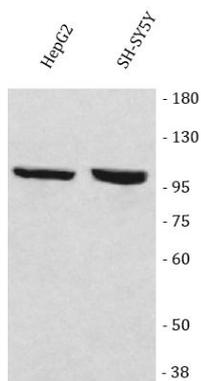
Gene Symbol	OGDHL
Gene Full Name	Oxoglutarate Dehydrogenase L
Background	The protein encoded by this gene is similar to oxoglutarate dehydrogenase (OGDH) of the OGDH complex, which degrades glucose and glutamate. This gene encodes several isoforms, including some that appear to localize to mitochondria. The encoded protein down-regulates the AKT signaling cascade and can suppress the growth of cervical cancer cells. [provided by RefSeq, Dec 2016]
Function	2-oxoglutarate dehydrogenase (E1-like) component of the 2-oxoglutarate dehydrogenase multienzyme complex (OGDHC) which mediates the decarboxylation of alpha-ketoglutarate in the tricarboxylic acid cycle. The OGDHC complex catalyzes the overall conversion of 2-oxoglutarate to succinyl-CoA and CO ₂ while reducing NAD ⁺ to NADH. [UniProt]
Calculated Mw	114 kDa
Cellular Localization	Mitochondrion. [UniProt]

Images



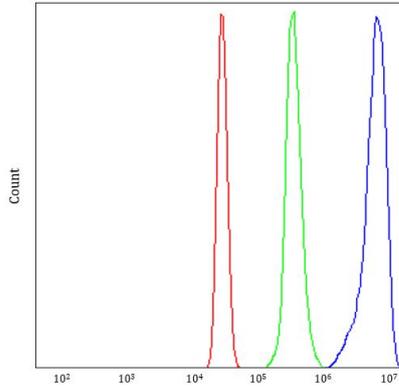
ARG45314 anti-OGDHL antibody ICC/IF image

Immunofluorescence: U2OS stained with ARG45314 anti-OGDHL antibody at 5 ug/ml dilution.



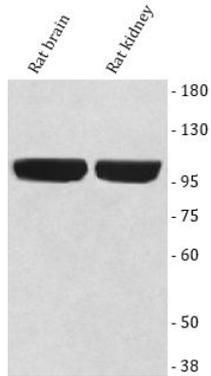
ARG45314 anti-OGDHL antibody WB image

Western blot: HeoG2 and SH-SY5Y stained with ARG45314 anti-OGDHL antibody at 0.5 µg/ml dilution.



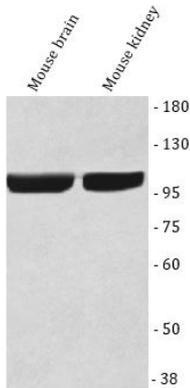
ARG45314 anti-OGDHL antibody FACS image

Flow Cytometry: U937 stained with ARG45314 anti-OGDHL antibody at 1 µg/10⁶ cells dilution.



ARG45314 anti-OGDHL antibody WB image

Western blot: Rat brain and rat kidney stained with ARG45314 anti-OGDHL antibody at 0.5 µg/ml dilution.



ARG45314 anti-OGDHL antibody WB image

Western blot: Mouse brain and mouse kidney stained with ARG45314 anti-OGDHL antibody at 0.5 µg/ml dilution.