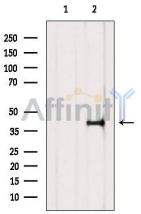
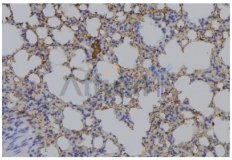
AMACR Ab

Cat.#: DF6265	Concn.: 1mg/ml	Mol.Wt.: 42kDa
Size: 100ul,200ul	Source: Rabbit	Clonality: Polyclonal

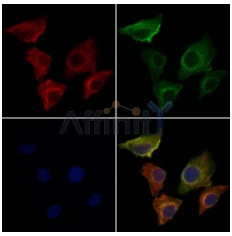
Application:	WB 1:500-1:2000 IHC 1:50-1:200, IF/ICC 1:100-1:500
Reactivity:	Human,Mouse,Rat
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).
Specificity:	AMACR Ab detects endogenous levels of total AMACR.
Immunogen:	A synthesized peptide derived from human AMACR.
Uniprot:	Q9UHK6
Description:	α-methylacyl-CoA racemase (AMACR), an enzyme localized in peroxisomes and mitochondria, is involved in the β-oxidation of branched-chain fatty acids and fatty acid derivatives (1). AMACR has been reported to be a biomarker for prostate cancer (2-4). The expression of AMACR is also related to other types of cancers such as hepatocellular carcinoma (1), noninvasive bladder cancer (5), colorectal cancer (6) and gastric adenocarcinoma (7).
Subcellular Location:	Peroxisome. Mitochondrion.
Similarity:	Belongs to the CaiB/BaiF CoA-transferase family.
Storage Condition and Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt.



Western blot analysis of extracts from HepG2, using AMACR Ab. The lane on the left was treated with blocking peptide.



DF6265 at 1/100 staining Mouse lung tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.



DF6265 staining Hela cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(DF6265 1:200) and mouse anti-beta tubulin Ab(T0023 1:200) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary Ab.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.