Research Area of Antibodies

- Epigenetics & Nuclear Signaling
  - Histones
  - Epigenetic Modifications
    - Methylation
    - Acetylation
    - Phosphorylation
  - Epigenetic writers and erasers of core Histones
    - Methylation
    - Demethylation
    - Acetylation
    - Deacetylation
    - Phosphorylation
  - Transcription Factors
  - DNA Damage & Repair
  - RNA Binding
  - Methylation
  - Translation Control
    - Regulation of eIF4 and p70 S6 Kinase
    - Regulation of eIF2
  - Nuclear Receptor Signaling
    - Nuclear hormone receptors
  - Chromatin Remodeling
- Protein phosphorylation
- Cancer
  - Tumor immunology
    - Tumor-associated antigens
  - Tumor biomarkers
  - Tumor suppressors
    - p53 pathway
  - Drug resistance
    - MRP-related proteins
    - P glycoproteins
    - Topoisomerases
  - Invasion and Metastasis
- Signal Transduction
  - G protein signaling
    - G-Protein-Coupled Receptors(GPCR)
    - Small G proteins
    - G-Protein-Coupled Receptors Signaling to MAPK/Erk
  - Kinase
    - Serine/threonine kinases
    - Tyrosine kinases
  - PI3K-Akt Signaling Pathway
    - Akt downstream targets
    - Kinase of Akt
    - Phosphatase of Akt
    - PI3Ks and related
    - Regulator of mTOR complex function
  - mTOR Signaling Pathway
  - Phospholipase Signaling Pathway
  - Protein Kinase C Signaling Pathway Pathway
  - ErbB-HER Signaling Pathway
  - MAPK-Erk Signaling Pathway
  - MAPK-JNK Signaling Pathway
  - MAPK-P38 Signaling Pathway
  - ATM Signaling Pathway
  - EGF Signaling Pathway
- Cell Biology & Developmental Biology
  - Ferroptosis
  - Apoptosis
    - Bcl 2 family
    - Caspases
    - Death receptors & ligands
    - Mitochondrial Control of Apoptosis
    - Inhibition of Apoptosis
  - Autophagy
    - ATGs
    - Regulator
    - Mitochondrial Control of Autophagy
  - Cell Cycle
    - Centrosome
    - Centromere
    - Cell cycle inhibitors
    - Cell differentiation
    - Cyclins
  - Cell Adhesion
    - Annexins
    - Cadherins
    - Cell Adhesion Molecules
    - Gap Junctions
    - Tight Junctions
  - Cytoskeleton
    - Intermediate Filaments
    - Microfilaments
    - Microtubules
    - Motor Proteins
    - Actins
  - Extracellular Matrix
    - ADAM Protein Family
    - MMPs
    - Collagen
    - Cytokeratin
    - Bone
  - Growth factors
    - EGF
    - Insulin and insulin-like
    - TNF
    - VEGF
    - VEGF Receptors
  - Ubiquitin
    - Ubiquitin-Proteasome Signaling Pathway
  - Death Receptor Signaling Pathway
  - TGF-b-Smad Signaling Pathway
    - Binding factor
    - Ligands
    - Receptors
    - Regulator
  - Hedgehog Signaling Pathway
  - Hippo Signaling Pathway
  - Notch Signaling Pathway
  - Wnt/β-Catenin Signaling Pathway
  - ESC Pluripotency and Differentiation
- Endocrine & Metabolism
  - Mitochondrial metabolism
    - Cytochromes
    - Mitochondrial Biogenesis
    - Mitochondrial markers
    - Mitochondrial translation
    - Mitophagy fission and fusion
  - Amino acid metabolism
  - Lipid Metabolism
    - Cholesterol Metabolism
    - Cytochromes
    - Hydrolysis
    - Lipases
  - Nucleotide metabolism
    - Molecular processes
    - Purine and pyrimidine synthesis
  - Carbohydrate metabolism
  - Drug metabolism
  - AMPK Signaling Pathway
  - Insulin Receptor Signaling Pathway
  - Warburg Effect
  - ER stress and mitochondria function
  - Endocrine and metabolic diseases
    - Diabetes
    - Metabolic disorders
    - Obesity
- Immunology & Inflammation
  - CDs
  - Cytokines
    - Interferons
    - Interleukins
    - TNF
  - B Cell Receptor Signaling Pathway
  - T Cell Receptor Signaling Pathway
  - Jak-Stat-IL-6 Receptor Signaling Pathway
  - NF-kB Signaling Pathway
  - Toll-like Receptor Signaling Pathway
  - Inflammasome Signaling Pathway
  - Immune Checkpoint Signaling Pathway
  - Cell Intrinsic Innate Immunity Signaling Pathway
    - Chemokines
    - TLR Signaling
  - Chemokine
  - Immune diseases
  - Infectious diseases
- Neuroscience
  - Cell Type Marker
    - Astrocyte marker
    - Microglia marker
    - Oligodendrocyte marker
    - Neural Stem Cell marker
    - Neuron marker
  - Vesicle Trafficking Presynaptic Signaling
  - Calcium Signaling
  - Neurodegenerative Diseases
    - Amyloid Plaque and Neurofibrillary Tangle Formation in Alzheimer's Disease
    - Dopamine Signaling in Parkinson's Disease
    - Neurodegenerative Diseases Markers
  - Other Neurological disorders
    - depression
    - Amyotrophic lateral sclerosis,ALS
    - Cerebralvascular accident, CVA
- Stem Cells
  - Cancer Stem Cells
  - Embryonic Stem Cells
  - Endothelial Progenitors
  - Germline Stem Cells
  - Hematopoietic Progenitors
  - Mesenchymal Stem Cells
  - Neural Stem Cells
- Cardiovascular
  - Cardiovascular Markers
    - Cardiomyocytes
    - Endothelial Cells
    - Smooth Muscle Cells
  - Angiogenesis
    - Angiogenic growth factors
    - Angiogenic inhibitory factors
  - Blood
    - Blood Cell Antigens
    - Blood Pressure regulation
    - Coagulation
    - Serum Proteins
  - Hypoxia
    - HIF
    - Hypoxia-related proteins
    - Hypoxia-Regulated
  - Heart
    - Cardiogenesis
    - Contractility
    - Cardiac metabolism
    - Cardiac arrhythmias
    - Hypertrophy
  - Lipids
    - Adipose Related
    - Fatty Acids
    - Lipoproteins/Apolipoproteins
  - Cardiovascular diseases
    - Hypertension
    - Heart disease

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