

Class	HDAC	Tissue Distribution [7]	Expression level in rat brain [11]			Subcellular localization [11]
			Per total HADC*	Per region in rat brain**		
I	HDAC1	Ubiquitous	6	Co		Nucleus Cytoplasm (in response to axonal damage) [9]
		Ca/Pu				
		GP				
		Am				
	Hi					
	SNpc					
	SNpr					
	LC					
	HDAC2	Ubiquitous	5	Co		Nucleus [8]
		Ca/Pu				
		GP				
		Am				
		Hi				
		SNpc				
		SNpr				
		LC				
	HDAC3	Ubiquitous	2	Co		Nucleus Cytoplasm [8]
		Ca/Pu				
		GP				
		Am				
		Hi				
		SNpc				
		SNpr				
		LC				
	HDAC8	Ubiquitous	8	Co		Nucleus [8]
		Ca/Pu				
		GP				
		Am				
		Hi				
		SNpc				
		SNpr				
		LC				
IIa	HDAC4	Brain Heart Skeletal muscle	4	Co		Nucleus Cytoplasm Synapse [9]
				Ca/Pu		
				GP		
				Am		
		Hi				
		SNpc				
		SNpr				
		LC				
	HDAC5	Brain Heart Skeletal muscle	3	Co		Nucleus Cytoplasm [12]
		Ca/Pu				
		GP				
		Am				
		Hi				
		SNpc				
		SNpr				
		LC				
	HDAC7	Brain Heart Placenta Pancreas Skeletal muscle	9	Co		Nucleus Cytoplasm [12]
		Ca/Pu				
		GP				
		Am				
		Hi				
		SNpc				
		SNpr				
		LC				
	HDAC9	Brain Skeletal muscle	10	Co		Nucleus Cytoplasm [12]
		Ca/Pu				
		GP				
		Am				
		Hi				
		SNpc				
		SNpr				
		LC				
IIb	HDAC6	Brain Heart Kidney Liver Pancreas Testis [10]	7	Co		Cytoplasm [12]
				Ca/Pu		
		GP				
		Am				
		Hi				
		SNpc				
		SNpr				
		LC				
	HDAC10	Brain Kidney Liver Spleen	11	Co		Nucleus Cytoplasm [8]
		Ca/Pu				
		GP				
		Am				
		Hi				
		SNpc				
		SNpr				
		LC				
IV	HDAC11	Brain Heart Kidney Skeletal muscle	1	Co		Nucleus [13]
		Ca/Pu				
		GP				
		Am				
		Hi				
		SNpc				
		SNpr				
		LC				